

EXHIBIT D

Peter Jeppson, MD, FACOG, FACS

1 IN THE UNITED STATES DISTRICT COURT
2 FOR THE SOUTHERN DISTRICT OF WEST VIRGINIA
3 CHARLESTON DIVISION
4 MASTER FILE NO: 2:12-MD-02327

MDL 2327

4 IN RE: JOSEPH R. GOODWIN
 U.S. DISTRICT JUDGE

5 ETHICON, INC., PELVIC REPAIR SYSTEM
6 PRODUCTS LIABILITY LITIGATION

7 DEPOSITION OF PETER JEPPSON, MD, FACOG, FACS

8 May 16, 2019

9 9:30 a.m.

10 500 Fourth Street NW, Suite 1000

11 Albuquerque, New Mexico 87102

12 This deposition was taken by:

13 BRAD BRADFORD, ESQ.

14 ATTORNEY FOR PLAINTIFFS

15 REPORTED BY: DANA N. SREBRENICK, CRR, CLR

16 NM CCR #513

17 GOLKOW LITIGATION SERVICES

18 877.370.DEPS

Page 2		Page 4	
1	APPEARANCES	1	
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23		23	
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Page 3		Page 5	
1	- - -	1	PETER JEPPSON, MD, FACOG, FACS
2	I N D E X	2	after having been first duly sworn under oath,
3	- - -	3	was questioned and testified as follows:
4	Testimony of:	4	EXAMINATION BY MR. BRADFORD:
5	PETER JEPPSON, MD, FACOG, FACS	5	Q. Good morning, Dr. Jeppson.
6	BY MR. BRADFORD..... 5	6	A. Hello. Good morning.
7	BY MR. KOOPMANN..... 227	7	Q. I'm going to be asking you some questions
8		8	today about an expert report that you filed in the
9	- - -	9	Ethicon transvaginal mesh litigation, okay?
10	E X H I B I T S	10	A. Okay.
11	- - -	11	Q. And also about the materials that you
12	NO. DESCRIPTION PAGE	12	reviewed and your background and experience and
13	Exhibit T-1 Notice of Deposition..... 6	13	kind of what led you to being here today and what
14	Exhibit T-2 Reliance list..... 9	14	led you to the experience to issue the reports you
15	Exhibit T-3 Binder containing	15	rendered, okay?
16	sacrocolpopexy report..... 10	16	A. Okay.
17	Exhibit T-4 Binder containing general	17	Q. I know you've been deposed at least once
18	report for slings..... 11	18	before in this litigation -- and by "this
19	Exhibit T-5 SUI Mesh Documents Binder	19	litigation," I mean the transvaginal mesh
20	1..... 11	20	litigation -- is that correct?
21	Exhibit T-6 SUI Mesh Documents Binder	21	A. Yes, sir.
22	2..... 11	22	Q. All right. And I don't want to -- I'm
23	Exhibit T-7 Invoice..... 17	23	sure your counsel has gone over this with you. I
24		24	don't want to waste a lot of time on the ground
25		25	rules, but the basic ones are, if you don't

<p style="text-align: right;">Page 6</p> <p>1 understand my question, let me know, and I'll ask 2 it better or differently, okay? 3 A. Okay. 4 Q. Is that fair? 5 A. Yes. 6 Q. And if you answer my question, is it fair 7 that you understood it? 8 A. Yes. 9 Q. I want to start -- we got a lot of 10 materials here today, and I'll start by marking 11 the Notice of Deposition in this case as the next 12 exhibit. 13 (Exhibit T-1, Notice of Deposition, 14 marked for identification.) 15 BY MR. BRADFORD: 16 Q. All right. Doctor, we marked as Exhibit 17 T-1 to your deposition the Notice of Deposition 18 that we filed in this case. 19 Have you seen this document before? 20 A. Yes. 21 Q. All right. You've got some boxes and 22 some, it looks like, printed materials and a thumb 23 drive in front of you. I'm assuming those are 24 responsive to the portion of the notice that is 25 the Schedule A; is that correct?</p>	<p style="text-align: right;">Page 8</p> <p>1 BY MR. BRADFORD: 2 Q. All right. So the binders and their -- 3 or, several of these are floating around. How 4 many binders did you bring -- how many original 5 blinders, not including copies, do you have? 6 A. Four. They are all about the same size, 7 and they're -- 8 Q. I don't need them up here, I don't think. 9 So just so I understand correctly, the thumb drive 10 contains everything provided to you by Ethicon to 11 review -- Ethicon's counsel or Ethicon to review 12 in forming your opinions; is that correct? 13 A. No, that's not correct. This includes 14 the information that I was sent by them as well as 15 the information that I reviewed. It does not 16 include all the information that I've reviewed 17 relating to mesh or mesh use. 18 That would be in the last, you know, 15 19 years' worth of information that I've read and 20 studied and learned from, you know, medical 21 school, residency, fellowship, national meetings, 22 articles that I've written and then literature 23 that I've kept up with both for maintenance of 24 certification as well as just general knowledge to 25 practice as a urogynecologist.</p>
<p style="text-align: right;">Page 7</p> <p>1 A. Yes, sir. 2 Q. All right. I don't know if between you 3 or between you and counsel -- I really don't 4 care -- whatever the easiest way is, tell me what 5 you got here today. 6 A. So essentially I brought correspondence 7 between me and counsel, and then I have an invoice 8 for the time spent on the general reports for both 9 of them. And then I have the reports that I wrote 10 along with the supporting documents for those, and 11 then I have materials that were referenced, 12 general materials, relating to mesh use. 13 Q. Okay. So what's on the thumb drive? 14 A. So the thumb drive is essentially 15 information that's on the -- in the binders. 16 MR. KOOPMANN: Well, let me clarify. The 17 thumb drive contains all the general materials 18 he's been sent throughout his involvement in the 19 litigation. 20 The binders contain his -- his 21 sacrocolpopexy report and his midurethral sling 22 report and the materials that he cited in those 23 reports. So the thumb drive contains more than 24 the binders technically. 25</p>	<p style="text-align: right;">Page 9</p> <p>1 Q. I'm going to mark as T-2 your reliance 2 list that was provided to us in this case. 3 (Exhibit T-2, Reliance list, marked for 4 identification.) 5 MR. KOOPMANN: And, counsel, for 6 clarification, I don't know if I made this clear, 7 but this binder contains a sacrocolpopexy report 8 and the materials cited in that. This contains 9 his midurethral sling report. And then the other 10 two binders are just miscellaneous documents, 11 internal documents, deposition transcripts, things 12 like that. 13 MR. BRADFORD: Okay. Thank you. 14 BY MR. BRADFORD: 15 Q. All right, Dr. Jeppson, you've got marked 16 the reliance list that was provided to us by 17 Ethicon as Exhibit T-2. What I'm trying to do -- 18 I'm not trying to trick you. I'm not -- you know, 19 I'm just trying to figure out what you have here 20 today versus the materials that are on your 21 reliance list, okay? 22 And I know separate and different from 23 that is your experience in medical school and 24 residency and reading literature and whatever 25 else -- whatever other experience you have, okay?</p>

<p style="text-align: right;">Page 10</p> <p>1 So I appreciate that's separate and distinct, but 2 for right now, I want to focus on the reliance 3 list, your reports and what you have in front of 4 you, okay? 5 A. Okay. 6 Q. All right. So, for example, the binder 7 I'm looking at now contains your sacrocolpopexy 8 report, correct? 9 A. That is correct. 10 Q. Okay. And does it also contain the 11 references you've cited in the footnotes or in the 12 text of your report? 13 A. That is correct. That is what is in that 14 binder is the report that I wrote and the 15 supporting documents to go along with this. 16 MR. BRADFORD: I'm going to go ahead and 17 mark this binder as T-3. 18 (Exhibit T-3, Binder containing 19 sacrocolpopexy report, marked for identification.) 20 BY MR. BRADFORD: 21 Q. All right. There's another binder that's 22 in front of you that contains your general report 23 for the slings you're here to testify on in this 24 case, meaning the TVT, the TVT-O and the TVT 25 Abbrevio, correct?</p>	<p style="text-align: right;">Page 12</p> <p>1 BY MR. BRADFORD: 2 Q. All right, Dr. Jeppson, if you look at 3 what we've marked now as Exhibit T-2, which is 4 your reliance list -- it's over here. 5 A. Uh-huh. 6 Q. -- it's a -- I'm not going to guess how 7 many pages, but it's a many page document that 8 includes lots of medical literature, correct? 9 A. That is correct. 10 Q. And then it also -- after the medical 11 literature is -- strike that. 12 There's an alphabetized list of medical 13 literature, correct? 14 A. Yes. 15 Q. All right. And then after that there is 16 a section called Production Materials which 17 includes some general things including what looks 18 to be Ethicon internal documents? 19 A. Yes, that is correct. 20 Q. All right. And then after that is 21 included a section called Company Witness 22 Depositions, correct? 23 A. Yes. 24 Q. And then there's a section titled Other 25 Materials, correct?</p>
<p style="text-align: right;">Page 11</p> <p>1 A. That is correct. 2 Q. And also are -- the attachments are the 3 other tabbed exhibits to this binder. Is that the 4 materials referenced and cited within your report, 5 either footnotes or in the report itself? 6 A. That is correct. 7 Q. Okay. I'm going to mark this as T-4, 8 please. 9 (Exhibit T-4, Binder containing general 10 report for slings, marked for identification.) 11 BY MR. BRADFORD: 12 Q. Okay. And there are two more binders you 13 brought, correct? 14 A. Yes. 15 Q. Maybe you can slide these out of the way 16 for now. And I will mark these T-5 and T-6. And 17 they're titled SUI Mesh Documents Binder 1. I'll 18 mark that as T-5. 19 (Exhibit T-5, SUI Mesh Documents Binder 20 1, marked for identification.) 21 BY MR. BRADFORD: 22 Q. And then SUI Mesh Documents Binder 2, 23 I'll mark as T-6. 24 (Exhibit T-6, SUI Mesh Documents Binder 25 2, marked for identification.)</p>	<p style="text-align: right;">Page 13</p> <p>1 A. Yes, that is correct. 2 Q. Okay. Everything included in T-2, which 3 is your reliance list, can't be included in these 4 two binders, right? 5 A. Cannot be? 6 Q. It's not. I mean, it's -- these binders 7 don't constitute everything that was included in 8 your reliance list? 9 A. That is correct. These are what support 10 the documents here, but is not everything in the 11 reliance list. 12 Q. If they did, there would be binders to 13 the ceiling many times over, I suspect? 14 A. Yes. They would be very big binders, 15 yes. 16 Q. Tell me, what is significant about what 17 is in T-5 and 6 versus the other materials listed 18 on the reliance list? Why are these here as 19 opposed to all this stuff? 20 A. From my perspective, when I write a 21 report, it's very similar to when I would write 22 and submit a manuscript for publication, so I am 23 not just purporting my opinions. I am purporting 24 that the evidence that is available and the 25 evidence to support the statements that I'm</p>

<p style="text-align: right;">Page 14</p> <p>1 making. And so the reason or the rationale to</p> <p>2 have binders with references is so that, as you</p> <p>3 read the report, you can see what was referenced</p> <p>4 in making -- in making -- in drafting the report</p> <p>5 and what supports those statements.</p> <p>6 Q. The actual citations themselves and</p> <p>7 the studies or materials that are actually cited</p> <p>8 within your report are included in the binders</p> <p>9 with the report, correct?</p> <p>10 A. That you have in front of you, yes.</p> <p>11 MR. KOOPMANN: Those are just my copies</p> <p>12 of those.</p> <p>13 MR. BRADFORD: Maybe I'm confused.</p> <p>14 BY MR. BRADFORD:</p> <p>15 Q. So if you look at your report, you have</p> <p>16 citations and footnotes within your report; is</p> <p>17 that right?</p> <p>18 A. That is correct.</p> <p>19 Q. And that is what is included in the</p> <p>20 binder with your report, fair?</p> <p>21 A. That is what you have in front of you,</p> <p>22 yes. This is the report. This is the binder with</p> <p>23 the -- well, I'm sorry. These are different. I</p> <p>24 moved it down. I apologize. I thought you still</p> <p>25 had the SUI and the colpopexy reports in front of</p>	<p style="text-align: right;">Page 16</p> <p>1 documents that I think are necessary to be known</p> <p>2 as an expert witness, but are not necessarily the</p> <p>3 most important in forming medical opinions, if</p> <p>4 that makes sense.</p> <p>5 Internal documents from Johnson & Johnson</p> <p>6 and whatnot are not readily available in the</p> <p>7 medical literature and that sort of thing, so</p> <p>8 these were provided to me for review.</p> <p>9 Q. Looking back to T-1, which is the Notice</p> <p>10 of Deposition, I want to look over to Schedule A,</p> <p>11 and I'm not going to ask about each of these</p> <p>12 things. I've got a lot of -- a lot of these have</p> <p>13 been produced, but I do have questions about a few</p> <p>14 of them.</p> <p>15 You have in front of you, it looks like,</p> <p>16 some billing records and then some correspondence,</p> <p>17 including the work surrounding the billing; is</p> <p>18 that correct?</p> <p>19 A. Yes.</p> <p>20 Q. Can I see those, please?</p> <p>21 A. Yes.</p> <p>22 Q. These weren't in any particular order;</p> <p>23 were they?</p> <p>24 A. No.</p> <p>25 MR. KOOPMANN: I don't think so.</p>
<p style="text-align: right;">Page 15</p> <p>1 you.</p> <p>2 Q. Okay. Let me start over because I've</p> <p>3 exchanged those binders, and they're now out of</p> <p>4 the way. And these are two additional binders,</p> <p>5 correct?</p> <p>6 A. These are general materials, yes.</p> <p>7 Q. And as I asked you before, these two</p> <p>8 binders do not contain everything that is in the</p> <p>9 reliance list that was provided to us by Ethicon,</p> <p>10 correct?</p> <p>11 A. Yes.</p> <p>12 Q. What is significant about these documents</p> <p>13 that caused you to bring them separately today as</p> <p>14 opposed to all the other stuff in the reliance</p> <p>15 list?</p> <p>16 A. So these are materials that I reviewed as</p> <p>17 I became an expert witness for -- for Ethicon.</p> <p>18 These are the documents that I went through that</p> <p>19 were -- are perhaps slightly more important, or</p> <p>20 they needed to be reviewed to ensure that I went</p> <p>21 through all of them.</p> <p>22 Again, as you mentioned, there is so much</p> <p>23 data available. It's not possible to incorporate</p> <p>24 it all. And so your question as to why these are</p> <p>25 more important, you know, again, these are</p>	<p style="text-align: right;">Page 17</p> <p>1 BY MR. BRADFORD:</p> <p>2 Q. I didn't want to reorder them and do</p> <p>3 anything that you wouldn't like. I'm going to</p> <p>4 mark as T-7 an invoice that you brought with you</p> <p>5 today, and hopefully we can look at this together.</p> <p>6 (Exhibit T-7, Invoice, marked for</p> <p>7 identification.)</p> <p>8 BY MR. BRADFORD:</p> <p>9 Q. All right, Dr. Jeppson, looking at what</p> <p>10 we marked as T-7, that is your -- it looks like a</p> <p>11 billing invoice; is that correct?</p> <p>12 A. Yes, sir.</p> <p>13 Q. All right. And looking at -- there's no</p> <p>14 date itemization on this; is that correct?</p> <p>15 A. That is correct.</p> <p>16 Q. It's just a -- there's a gross -- a</p> <p>17 number of hours and then your rate for what is</p> <p>18 described as the MUS general report and the</p> <p>19 colpopexy general report, correct?</p> <p>20 A. That is correct.</p> <p>21 Q. All right. And from what date range does</p> <p>22 this billing encompass? And let me -- before I do</p> <p>23 that, the date of the invoice is May 15th of '19?</p> <p>24 A. Yes.</p> <p>25 Q. That is yesterday, correct?</p>

<p style="text-align: right;">Page 18</p> <p>1 A. That is correct.</p> <p>2 Q. Okay. From what time frame generally?</p> <p>3 I'm not going to marry -- if you miss it by a</p> <p>4 month, I don't care. I'm just looking for when</p> <p>5 did you start for this billing invoice, and when</p> <p>6 did you stop?</p> <p>7 A. I honestly don't remember when I started.</p> <p>8 It's probably been five or six months is my guess.</p> <p>9 There was a request to generate a report, and as</p> <p>10 I've worked on that, I've just kept the time as a</p> <p>11 lump sum. I haven't itemized the time, as you</p> <p>12 mentioned.</p> <p>13 I did not keep track of the time in an</p> <p>14 itemized form, but as I was reviewing materials</p> <p>15 specific to the report and as I was drafting the</p> <p>16 report and as I was preparing for this deposition,</p> <p>17 all of that time is lumped into, you know -- into</p> <p>18 that time, but, you know, a ballpark, you know,</p> <p>19 six months.</p> <p>20 Q. All right. And how current is this</p> <p>21 report, meaning through when is this -- the</p> <p>22 invoice marked as T-7 accurate?</p> <p>23 A. I updated it last night which is why it's</p> <p>24 dated the 15th. I will update it again at the</p> <p>25 conclusion of today's proceedings and then submit</p>	<p style="text-align: right;">Page 20</p> <p>1 Are you familiar with this document?</p> <p>2 A. Yes.</p> <p>3 Q. All right. In my quick review of these</p> <p>4 documents that you provided regarding your</p> <p>5 billing, that's the earliest dated one being back</p> <p>6 in April of 2018.</p> <p>7 Do you recall when you were first</p> <p>8 approached by Mr. Koopmann or Ethicon or anyone</p> <p>9 else to work as an expert in this transvaginal</p> <p>10 mesh litigation?</p> <p>11 A. It would have been close to that time,</p> <p>12 but I don't remember for sure.</p> <p>13 Q. And I'm not -- again, I don't care about</p> <p>14 a week or even a month's difference, but close to</p> <p>15 that time, what's the best you can give me as to</p> <p>16 when you would have been first contacted?</p> <p>17 A. It would have been probably within a</p> <p>18 month or two of the signed document.</p> <p>19 Q. And how were you first contracted to work</p> <p>20 as a potential expert for Ethicon in this</p> <p>21 litigation?</p> <p>22 A. Mr. Koopmann contacted me through my</p> <p>23 institution, and I replied that I would be</p> <p>24 interested in being an expert witness for Ethicon.</p> <p>25 Q. You referenced through your institution.</p>
<p style="text-align: right;">Page 19</p> <p>1 it to Johnson & Johnson.</p> <p>2 Q. Is your rate different for a deposition</p> <p>3 than record review or for preparation?</p> <p>4 A. It is not. I have a standard rate.</p> <p>5 Q. I will next mark as Exhibit T-8 a letter</p> <p>6 that -- in the group of documents you provided.</p> <p>7 It's a letter from Bowman and Brooke. It looks to</p> <p>8 be signed by Mr. Koopmann, correct?</p> <p>9 A. Yes.</p> <p>10 Q. And that's the gentleman sitting next to</p> <p>11 you today from Ethicon who is your counsel?</p> <p>12 A. Yes, sir.</p> <p>13 MR. KOOPMANN: Objection. I'm -- I'm</p> <p>14 J&J's and Ethicon's counsel, not his counsel,</p> <p>15 but...</p> <p>16 THE WITNESS: Yeah.</p> <p>17 MR. BRADFORD: Fair enough.</p> <p>18 We're going to mark that.</p> <p>19 (Exhibit T-8, Letter from Bowman and</p> <p>20 Brooke signed by Mr. Koopmann to Dr. Jeppson,</p> <p>21 dated April 19, 2018, marked for identification.)</p> <p>22 BY MR. BRADFORD:</p> <p>23 Q. All right, Dr. Jeppson, I've marked as</p> <p>24 Exhibit 8 a letter to you from Mr. Koopmann from</p> <p>25 Bowman and Brooke dated April 19, 2018.</p>	<p style="text-align: right;">Page 21</p> <p>1 What do you mean?</p> <p>2 A. I work for the University of New Mexico.</p> <p>3 The administrative assistant that worked for me at</p> <p>4 the time received a message that she forwarded to</p> <p>5 me, and I replied to them.</p> <p>6 Q. I'm going to mark the rest of these</p> <p>7 documents, the correspondences surrounding the</p> <p>8 billing that you provided as just a composite, as</p> <p>9 T-9.</p> <p>10 (Exhibit T-9, Correspondence surrounding</p> <p>11 billing, marked for identification.)</p> <p>12 BY MR. BRADFORD:</p> <p>13 Q. I'm going to clip these together with</p> <p>14 paperclips, so they stay together the best they</p> <p>15 can. I don't think I'm going to ask any general</p> <p>16 questions about these, right now anyways.</p> <p>17 Do you have any other documents that</p> <p>18 would reflect or reference any of your billing for</p> <p>19 your work for Ethicon in this matter?</p> <p>20 A. No, I don't.</p> <p>21 Q. Have you ever worked as a consultant for</p> <p>22 Ethicon outside of serving as a testifying expert</p> <p>23 in the transvaginal mesh litigation?</p> <p>24 A. I have not.</p> <p>25 Q. Are you familiar with the term "key</p>

<p style="text-align: right;">Page 22</p> <p>1 opinion leader"?</p> <p>2 A. Yes. I've heard that term as it relates</p> <p>3 to federal funding, stakeholders and key opinion</p> <p>4 holders, yes.</p> <p>5 Q. Do you have any contracts with Ethicon to</p> <p>6 work -- to do any consulting for them outside of</p> <p>7 this litigation?</p> <p>8 A. I do not have any contracts with any --</p> <p>9 with any businesses or, you know, medical --</p> <p>10 anything outside of this.</p> <p>11 Q. Okay. I was going to lead into those</p> <p>12 questions. So have you ever worked as a key</p> <p>13 opinion leader for Ethicon?</p> <p>14 A. No, I have not.</p> <p>15 Q. Have you ever taught courses for Ethicon</p> <p>16 products on Ethicon's behalf?</p> <p>17 A. I have taught courses, but never for</p> <p>18 Ethicon. I've done them through national or</p> <p>19 international organizations, but never for</p> <p>20 Ethicon.</p> <p>21 Q. Have you ever been paid by Ethicon to</p> <p>22 speak on its behalf?</p> <p>23 A. I have not.</p> <p>24 Q. Have you ever been paid by Ethicon to</p> <p>25 present to doctors regarding its products?</p>	<p style="text-align: right;">Page 24</p> <p>1 You're saving some time this morning.</p> <p>2 A. I am?</p> <p>3 Q. You are.</p> <p>4 I want to direct you to what was marked</p> <p>5 as Exhibit T-2. That's the reliance list again.</p> <p>6 I think I'm actually going to be finished with</p> <p>7 this one. I'll put this in the pile over here,</p> <p>8 okay?</p> <p>9 A. Okay.</p> <p>10 Q. Okay. I want to go through the reliance</p> <p>11 list, not item by item, but -- Lord knows we don't</p> <p>12 have the time, but I want to go through there and</p> <p>13 just talk about what you've reviewed, what you've</p> <p>14 reviewed thoroughly, what you might have skimmed,</p> <p>15 what you would not have looked at, if any, okay?</p> <p>16 And I don't want to do this item by item</p> <p>17 certainly, but, I mean, we can if we need to.</p> <p>18 As far as the studies listed, the medical</p> <p>19 literature as described by Ethicon, did you</p> <p>20 prepare this list?</p> <p>21 A. I did not prepare the list.</p> <p>22 Q. Was this list provided to you by Ethicon?</p> <p>23 A. Someone within Ethicon compiled the list</p> <p>24 that, provided that this list was given to me, so</p> <p>25 if that's what you mean by provided. They did not</p>
<p style="text-align: right;">Page 23</p> <p>1 A. I have not.</p> <p>2 Q. Have you ever been paid by Ethicon for</p> <p>3 anything other than your work in this litigation?</p> <p>4 A. I have not.</p> <p>5 Q. I want to ask you the same questions for</p> <p>6 other manufacturers or industry entities, if you</p> <p>7 understand what I mean.</p> <p>8 A. Yes. I have never received payment from</p> <p>9 industry in any other regard. As an institution,</p> <p>10 as part of our group, we do research studies, some</p> <p>11 of which are funded by industry, but the funding</p> <p>12 would come to the institution to provide support</p> <p>13 for the -- the research assistance in those types</p> <p>14 of things, not directly to any of us. And I am</p> <p>15 not the primary on any of those grants, if you</p> <p>16 will.</p> <p>17 Q. And are those grants -- I've been through</p> <p>18 your CV that you provided for us. Are those</p> <p>19 grants and that information included within your</p> <p>20 CV?</p> <p>21 A. Anything that I've been involved in are</p> <p>22 included in my CV, and there is a section of</p> <p>23 grants.</p> <p>24 Q. Okay. Thank you, Doctor. We'll get</p> <p>25 there in a minute.</p>	<p style="text-align: right;">Page 25</p> <p>1 generate the list and say, This is what we want</p> <p>2 you to go through. They provided some information</p> <p>3 particularly towards the back as you kind of went</p> <p>4 through earlier, you know, and some of the</p> <p>5 production materials, some of the company witness</p> <p>6 depositions. Those types of things I would not</p> <p>7 have had access to, but the medical literature, I</p> <p>8 mean, it's all available through Medline.</p> <p>9 And so much of this information and</p> <p>10 really essentially everything in my report -- in</p> <p>11 my reports, plural, you know, is information that</p> <p>12 I'm aware of or that I've read or that I've seen</p> <p>13 elsewhere. I did go through the -- I went through</p> <p>14 this material again, some in more depth than</p> <p>15 others, but as a practicing urogynecologist, this</p> <p>16 information is very pertinent to my day-to-day</p> <p>17 patient interaction treatment algorithms.</p> <p>18 So the medical literature is, in general,</p> <p>19 generality, is information that I was aware of or</p> <p>20 that I found as I was searching, but much of it is</p> <p>21 information that I'm aware of, if that makes</p> <p>22 sense.</p> <p>23 Q. Sure. And we'll go through -- I'm going</p> <p>24 to go through your background and experience in</p> <p>25 more detail in a little bit, but is it fair to say</p>

<p style="text-align: right;">Page 26</p> <p>1 that you work at a teaching hospital?</p> <p>2 A. Yes, sir.</p> <p>3 Q. And as part of working at a teaching</p> <p>4 hospital, you teach residents; is that correct?</p> <p>5 A. I'm hired through the School of Medicine.</p> <p>6 I have an appointment with the School of Medicine</p> <p>7 for medical students. I often teach students in</p> <p>8 clinical settings and in classroom settings. I</p> <p>9 also teach the residents as they rotate through</p> <p>10 our service, both formally as well as informally</p> <p>11 and in rounds in the OR and that type of thing.</p> <p>12 We also have a fellowship. I am very</p> <p>13 engaged with the fellowship teaching as I am with</p> <p>14 the others. We just had meetings this morning.</p> <p>15 We had didactics from 7:00 to 8:00, and then</p> <p>16 another didactics meeting from 8:00 to 9:00, and</p> <p>17 that's our -- my typical Thursday morning are</p> <p>18 division meetings with didactics for the learners.</p> <p>19 Q. I'd expect you have interest outside of</p> <p>20 medicine also?</p> <p>21 A. Certainly.</p> <p>22 Q. All right. I want to just ask you</p> <p>23 generally, tell me about whether you can describe</p> <p>24 for me, whether it's by the week or the month or</p> <p>25 whatever is easiest, Dr. Jeppson, but tell me</p>	<p style="text-align: right;">Page 28</p> <p>1 I'll take my dog for a walk. Go to work through</p> <p>2 the day. Come home at night. I'm usually home by</p> <p>3 6:00-ish. I have dinner with my family. My boys</p> <p>4 are involved in baseball and other activities like</p> <p>5 that that I go to.</p> <p>6 Once we get the kids in bed around 8:30</p> <p>7 or 9:00 and we've done homework and all of that, I</p> <p>8 talk to my wife for a bit, and then I get back to</p> <p>9 the e-mail and the research projects that I'm</p> <p>10 involved in, and that tends to be until 10:00</p> <p>11 o'clock or so.</p> <p>12 Weekends I, again, tend to get up early.</p> <p>13 I wake up without an alarm around 5:00 or 6:00.</p> <p>14 Work on things until 7:00 or 8:00 when my boys get</p> <p>15 up, and then I try not to do much on Saturdays or</p> <p>16 Sundays aside from, you know, non -- I don't want</p> <p>17 to take away from family time. That sometimes is</p> <p>18 necessary. I do have an occasional call that, you</p> <p>19 know, I cover at the hospital, but that is more or</p> <p>20 less my general schedule.</p> <p>21 Q. Thank you, Doctor, and congratulations on</p> <p>22 your balance. That's important. So I've seen</p> <p>23 that you've written a lot on that, and that's</p> <p>24 important, so as your career goes along, keep that</p> <p>25 up. Be sure to keep up your balance, okay?</p>
<p style="text-align: right;">Page 27</p> <p>1 generally about your -- the time you spend working</p> <p>2 and what you do. I can ask smaller bites if you</p> <p>3 would like.</p> <p>4 A. No, that's fine.</p> <p>5 As a general rule, I am -- I very much</p> <p>6 like my job. I enjoy what I do. I like seeing</p> <p>7 patients and treating my patients. As a</p> <p>8 practicing physician, I have a busy clinical</p> <p>9 schedule. I'm in the OR every Monday. I'm in</p> <p>10 clinics on Tuesdays and Wednesdays. I have some</p> <p>11 med student teaching obligations on Tuesday</p> <p>12 afternoons. Wednesday is all day clinic.</p> <p>13 Thursday, I have some clinical responsibilities on</p> <p>14 Thursdays. We have the didactic sessions I</p> <p>15 already discussed on Thursdays.</p> <p>16 Fridays are grand rounds, and Friday for</p> <p>17 me tends to be more administrative time. I am the</p> <p>18 chief of the division of urogynecology. I get a</p> <p>19 couple hundred e-mails a day that I keep up with.</p> <p>20 I, you know, get all the medical results, all that</p> <p>21 stuff, for patient care as well that I keep up</p> <p>22 with.</p> <p>23 On a given day, I would typically wake up</p> <p>24 around 5:00 -- between 5:00 and 6:00 a.m. I tend</p> <p>25 to go through e-mail in the morning. Sometimes</p>	<p style="text-align: right;">Page 29</p> <p>1 A. Thank you.</p> <p>2 Q. How many hours a week do you spend in</p> <p>3 clinic, and how many patients per hours in a week</p> <p>4 do you see?</p> <p>5 A. I -- my FTE, which is the full-time</p> <p>6 equivalent clinic, I think is .55. I usually work</p> <p>7 around .6 or .65 clinical. That includes OR and</p> <p>8 clinic. I exceed the institution's expectations</p> <p>9 of me as far as clinical goes, but I prefer to be</p> <p>10 above than under on anything.</p> <p>11 As far as patients per half day, it</p> <p>12 varies. Depends on, you know, who comes to</p> <p>13 clinic, no show rates and that sort of thing,</p> <p>14 which patients come to clinic and which don't.</p> <p>15 You know, I have clinics where maybe, you know,</p> <p>16 three or four people show up, which is unusual.</p> <p>17 Typical would be probably somewhere around eight</p> <p>18 per half day, six to eight. And then the other</p> <p>19 would be clinics where things get overbooked, and</p> <p>20 I'm seeing, you know, 14 to 17 per half day. It</p> <p>21 just depends on the day.</p> <p>22 Q. Sure. And Monday's your operating day?</p> <p>23 A. I'm in the OR on Mondays, occasionally on</p> <p>24 Tuesdays.</p> <p>25 Q. Okay. How many cases on average do you</p>

<p style="text-align: right;">Page 30</p> <p>1 do weekly or monthly, whatever is the easiest way 2 for you to describe it?</p> <p>3 A. It depends on if they're majors or 4 minors. Typically I would do somewhere between 5 probably three to five surgeries on a given OR 6 day, again, depending on the length and the 7 complexity of the case.</p> <p>8 You know, very complicated cases, there 9 might only be two. I don't -- I mean, I have all 10 that information available, but I don't remember 11 it off the top of my head.</p> <p>12 We do go through our metrics as a 13 division monthly. Our monthly metrics meeting 14 will be next Thursday, and so I do look at all 15 that. And as division director, you know, I think 16 it's my job to know how the division is doing, but 17 I don't keep all those numbers in my head. 18 There's too much to remember and so...</p> <p>19 Q. Thank you, Doctor. And general is fine. 20 You know, I'm not -- again, if it's a higher or 21 lower number within a margin, that's not of 22 significance to me. I mean, you're welcome to 23 look at that and supplement this answer when the 24 time comes if you would like, but I'm pleased -- 25 you know, I'm okay with the general nature of what</p>	<p style="text-align: right;">Page 32</p> <p>1 fellowship, and I do review that with the 2 fellowship and the assistant fellowship directors 3 in making sure that we're covering the information 4 pertinent to trainees in female pelvic medicine 5 and reconstructive surgery, female pelvic medicine 6 and reconstructive surgery, which is what 7 urogynecology is.</p> <p>8 The name through the American Board of 9 Obstetrician and Gynecology, which is ABOG, is 10 FPMRS, the female pelvic medicine reconstructive 11 surgery, but urogyn is what it's called, you know, 12 by most people. So, you know, it's hard for me to 13 break down and say how much in classroom. 14 Classroom on a given week is probably going to be 15 at least -- at least two hours, you know, quote, 16 unquote, classroom time and in meetings, grand 17 rounds, all that kind of stuff, yeah.</p> <p>18 Q. And how much time on average weekly do 19 you spend with -- in the fellowship with the 20 fellows or the residents in clinic or the OR or 21 whatever more, not didactic, but hands-on?</p> <p>22 A. I think he asked me how much time I spend 23 with the residents and fellows in clinical and 24 operating settings.</p> <p>25 Q. I used the word "didactic."</p>
<p style="text-align: right;">Page 31</p> <p>1 you're telling me.</p> <p>2 I want to talk to you about your 3 teaching, and for this question, it's not in the 4 clinic necessarily. I'm talking about classroom 5 teaching, okay?</p> <p>6 How much time do you spend per week on 7 average doing that?</p> <p>8 A. I don't know. As I mentioned, we have 9 didactic sessions every Thursday. That's going to 10 be at least an hour, if not two. I teach -- I 11 used to be the residency, the assistant program 12 director, and as that, one of my job was to 13 coordinate and essentially arrange all of the 14 resident teaching.</p> <p>15 So I did that for two years, and so, you 16 know, that would be three hours every Friday 17 morning. That wasn't always me directly, but it 18 was me coordinating, you know, and following 19 the -- the ABOG, learning objectives for the 20 residents to make sure they were getting the full 21 gamut or the full representation of what was 22 needed for their license exams.</p> <p>23 For the residents, it's similar. I am 24 not the program director of the fellowship, but as 25 division chief, I am very involved in the</p>	<p style="text-align: right;">Page 33</p> <p>1 A. Didactic, yeah.</p> <p>2 So it's unusual for me not to have 3 learners with me in those settings. In the 4 operating room, I typically would have a medical 5 student, a resident and a fellow, so it's going to 6 be every Monday. Tuesday, my Tuesday clinic I 7 have a resident with me. The Wednesday clinic I 8 usually have a student with me in the morning and 9 a fellow with me in the afternoon is more or less 10 the breakdown.</p> <p>11 Q. How much time per week or per month do 12 you spend reviewing medical literature?</p> <p>13 A. A lot, but I mean, I -- I'm constantly 14 reading. I mean, I -- part of getting up early in 15 the morning is keeping up with literature. I get 16 e-mails from JAMA and from other, you know, large 17 journals.</p> <p>18 I'm a member of AUGS. AUGS sends out a 19 weekly e-mail with articles of interest. As part 20 of our fellowship didactics, primarily we tend to 21 have journal club at least every other week, if 22 not more often, which will consist of one or two 23 journal articles.</p> <p>24 For patient care, I will look things up 25 specific to patients as well as needed, and then I</p>

<p style="text-align: right;">Page 34</p> <p>1 have been very involved in research projects and 2 many of which are systematic reviews. And so, I 3 mean, systematic reviews, you're taking a topic 4 and reading essentially everything on that topic 5 to coalesce or condensate the information into a 6 report. 7 And as you'll see from my CV, I have 8 several systematic review publications. I have 9 several that are ongoing. I mean, a lot, I read a 10 lot. 11 Q. You had mentioned AUGS, and which -- 12 strike that. 13 Which medical journals do you routinely 14 review? 15 A. Oh, I get The Green Journal, which is 16 Obstetrician & Gynecology. I get The Gray 17 Journal, which is the American Journal of 18 Obstetrics & Gynecology. Those both come to me in 19 print. I also get The Yellow Journal, which is 20 the Female Pelvic Medicine & Reconstructive 21 Surgery journal. That's the one from AUGS. The 22 Green is from ACOG. 23 You know, I look at stuff, and I'm also a 24 member of the American College of Surgeons. I get 25 their journals online. I skim through the topics</p>	<p style="text-align: right;">Page 36</p> <p>1 A. So if you're asking if they gave me this 2 list and told me to include it, the answer is no. 3 If you're asking if they compiled this list and 4 printed and collated and put everything in the 5 binders, then, yes. 6 Do you understand the distinction? 7 Q. I do understand it. I'm asking not to 8 what they told you to put in your report. I'm not 9 going there at all. I'm not inferring that. 10 I'm asking specifically for these 11 questions what they did and what you received from 12 them. 13 A. Correct. They compiled the list and 14 compiled the printed documents to go along with 15 the list for the report. 16 Q. And when you point to those, you're 17 pointing to the binders marked Exhibits T -- 18 MS. BAGGETT: 5 and 6. 19 BY MR. BRADFORD: 20 Q. -- 3 through 6? 21 A. Yes. 22 Q. Did they provide you a copy of all of the 23 medical literature in this reliance list, whether 24 it be binders like that, whether it be via 25 Dropbox, e-mail, hard drive, thumb drive?</p>
<p style="text-align: right;">Page 35</p> <p>1 to see if there would be things of interest to me 2 as a surgeon, a Journal of Urology in urology as 3 well as the New England Journal, JAMA. I mean, 4 these are things that come to me in e-mail form or 5 in other kinds of consolidated form to help 6 identify what would be of interest. I mean, I get 7 a lot. 8 Q. Looking back to the reliance list, I want 9 to go through and be sure I understand what you've 10 looked at and what you haven't. 11 So just so I'm clear, you did not type 12 this list up, correct? 13 A. That is correct, I did not type this list 14 up. I did not compile it. 15 Q. And this list regarding the medical 16 literature on Exhibit T-2 was compiled by someone 17 with Ethicon, correct? 18 A. Yeah. I'm assuming a paralegal or 19 someone like that. I don't know who. 20 Q. And they provided you this list, correct? 21 A. They compiled the list and provided it to 22 me, yes. 23 Q. Did they provide all of the articles 24 contained within the alphabetical list of medical 25 literature to you?</p>	<p style="text-align: right;">Page 37</p> <p>1 Were you provided all of the medical 2 literature in -- listed on the reliance list by 3 Ethicon? 4 A. I'm not sure if I understand the 5 question. Are you asking me if I was given 6 everything by them to review? 7 Q. I'm asking if every piece of medical 8 literature in this reliance list was provided to 9 you by Ethicon, whether hard copy, digital copy, 10 on a drive, however. 11 A. So it may be semantics. Some of this 12 information I provided to them to include, which 13 then they gave back to me, but the information 14 that's in the reliance list is information that I 15 have received. And I think all of it is on the 16 thumb drive or in some other form. 17 Q. The question is simpler. I'm not trying 18 to get in the weeds with you or infer anything. 19 What I'm trying to just see is, did Ethicon 20 provide you either a hard digital or copy in some 21 other form of everything on the reliance list 22 listed under Medical Literature? 23 A. I believe everything on the reliance list 24 is on the thumb drive. 25 Q. Okay. And that was prepared to give to</p>

<p style="text-align: right;">Page 38</p> <p>1 me today, correct?</p> <p>2 A. This is a copy to submit, yes.</p> <p>3 Q. How did they give it to you?</p> <p>4 A. So I have the information in the binders</p> <p>5 that was reviewed. Some came via e-mail. I think</p> <p>6 those are in the e-mail list that was seen. You</p> <p>7 know, much of that, I don't remember if it was all</p> <p>8 sent secure. I know anything patient is sent</p> <p>9 secure, that I have to login and download, but I</p> <p>10 think many of those were as well.</p> <p>11 And then the thumb drive is here. It was</p> <p>12 brought today specific for this. I have a copy of</p> <p>13 the thumb drive as well. And then there's the</p> <p>14 list here. So perhaps I'm not understanding the</p> <p>15 question because I feel like I'm answering it, but</p> <p>16 then you re-ask, so maybe I'm missing something.</p> <p>17 Q. Is every study or article listed under</p> <p>18 Medical Literature on the reliance list on this</p> <p>19 thumb drive?</p> <p>20 A. Yes.</p> <p>21 Q. And before today or whenever this was</p> <p>22 copied to give to me, Ethicon had provided all of</p> <p>23 that to you?</p> <p>24 A. Yes, with the caveats that we've gone</p> <p>25 through, yes. It was information that I received</p>	<p style="text-align: right;">Page 40</p> <p>1 printed form.</p> <p>2 And then certainly, you know, experience</p> <p>3 from treating patients and that sort of stuff</p> <p>4 doesn't -- I mean, that stuff doesn't get printed</p> <p>5 and go in here, but I have a lot of experience</p> <p>6 with patients, and it does determine how you</p> <p>7 treat.</p> <p>8 So -- but, again, please feel free to</p> <p>9 re-ask if I'm not understanding.</p> <p>10 Q. Yeah, sure. Specifically, as to the</p> <p>11 medical literature -- and here's the deal, right?</p> <p>12 This is my chance to talk to you.</p> <p>13 A. Yeah.</p> <p>14 Q. This is my chance to learn the basis and</p> <p>15 foundation for your opinions and what those</p> <p>16 opinions are, right?</p> <p>17 What I want to do is I want to be sure I</p> <p>18 have the opportunity to look at, as opposed to</p> <p>19 hundreds and hundreds and hundreds of studies or</p> <p>20 pieces of journal literature, some of which are</p> <p>21 meaningless to you in your opinions, I want to</p> <p>22 look at what is meaningful, so when the time</p> <p>23 comes, either me or some other lawyer around this</p> <p>24 country can look at the relevant materials to ask</p> <p>25 you questions about it, okay?</p>
<p style="text-align: right;">Page 39</p> <p>1 from Ethicon, and again, I might -- I might not be</p> <p>2 understanding, so please forgive me if I'm not,</p> <p>3 but, you know, again, I -- you know, it's not like</p> <p>4 Ethicon just gave me this stuff and said, Here,</p> <p>5 you know, look at all this stuff.</p> <p>6 It's -- you know, some of that is true,</p> <p>7 but much of this, particularly the medical</p> <p>8 literature, is stuff that I've already known or</p> <p>9 seen or coauthored, all right, and so I did not</p> <p>10 receive that from Ethicon. Like, I already knew</p> <p>11 about that.</p> <p>12 Does that make sense?</p> <p>13 Q. Yes. Is all of the medical literature</p> <p>14 significant to your opinions in this case</p> <p>15 contained within those four binders?</p> <p>16 A. I would say no, not pertaining to mesh.</p> <p>17 It's impossible to put everything that would be</p> <p>18 important in a given binder. I mean, it's -- I</p> <p>19 mean, textbooks and I mean -- I mean, the amount</p> <p>20 of medical literature out there is immense, you</p> <p>21 know.</p> <p>22 This is information pertinent to the</p> <p>23 reports and pertinent to the discussion, but I</p> <p>24 don't think that it contains everything. I don't</p> <p>25 think it's possible to contain everything in a</p>	<p style="text-align: right;">Page 41</p> <p>1 That's the purpose of my question now.</p> <p>2 A. Okay.</p> <p>3 Q. And that's why I'm asking. And I would</p> <p>4 really not -- I just as soon not go through each</p> <p>5 of these. I mean, I can, and I don't want to.</p> <p>6 A. I don't want to either --</p> <p>7 Q. Okay.</p> <p>8 A. -- but I feel like I'm answering the</p> <p>9 question, so that's where I'm struggling.</p> <p>10 Like, is this information important to</p> <p>11 the discussion? Yes, that's why it's here.</p> <p>12 Q. Is every study or journal article listed</p> <p>13 under the Medical Literature portion important to</p> <p>14 your opinions in this case?</p> <p>15 A. So everything listed here is important.</p> <p>16 I guess, you know, the -- the stuff that I sign,</p> <p>17 and if you look at the contract -- I think it's in</p> <p>18 there -- you know, and then certainly whenever</p> <p>19 I -- you know, it's, you know, based on my -- my</p> <p>20 current knowledge which can change based on future</p> <p>21 publications, right?</p> <p>22 I mean, if you're asking me if all of</p> <p>23 these studies are weighted the same, the answer is</p> <p>24 no. Systematic reviews, randomized controlled</p> <p>25 trials are going to be much higher evidence than</p>

<p style="text-align: right;">Page 42</p> <p>1 some case series. This includes a lot of 2 different information. 3 When looking at medical literature, some 4 information is better obtained from case series 5 and from these kind of less well designed studies. 6 Things like adverse events and those kinds of 7 things typically are not well represented in a 8 randomized controlled trial. 9 A randomized controlled trial might only 10 have 20 patients per arm, and so you're only 11 looking at a total of 40 patients, whereas you can 12 get essentially a case series or a population 13 based study out of Scandinavia with 20 patients. 14 But you can get population based studies that 15 would have a huge number of patients that it would 16 be more important to me as I make opinions 17 regarding adverse events. 18 So does that -- again, I feel like I'm 19 not understanding the question. Are the things in 20 here important? Yes, I think they are important, 21 or they wouldn't be included. Do I think that 22 these are the most important? Well, I think that 23 these are important studies that we should 24 discuss. 25 I agree, I don't want to go itemized line</p>	<p style="text-align: right;">Page 44</p> <p>1 I'm aware of the information here, and I have read 2 through the information. Some would be skimmed 3 more quickly, and some would be delved into in 4 depth. 5 Q. You mentioned earlier that you provided 6 some medical literature to Ethicon for them to add 7 to this list. 8 Do you recall that? 9 A. Yeah. I remember saying that, yes, sir. 10 Q. When would you have done that, and which 11 of these pieces of medical literature would fall 12 under that category? 13 A. That I -- I did not keep an itemized 14 list, as we discussed with my billing, but as far 15 as the generation of the drafting of the report 16 goes, when I would generate -- when I would submit 17 the reports to Ethicon, they would compile the 18 information in a materials list. 19 Q. Without saying that the studies listed or 20 the literature listed on the reliance list are not 21 significant, okay, is it fair to say that the 22 materials, the medical literature, provided in the 23 binders T-3 through T-6 are more significant to 24 your opinions than those from the medical 25 literature on the reliance list that did not make</p>
<p style="text-align: right;">Page 43</p> <p>1 by line. I don't want to do that. But, you know, 2 if there's a study of ten patients on a given 3 topic, that might be important for that one point, 4 but not important to everything. It's a 5 composite. That's how medicine is practiced. I 6 feel like I'm missing the -- I don't understand. 7 Q. I mean, certainly I'm going to have some 8 questions later about, you know, level 1 data and 9 the difference between randomized controlled 10 trials and, you know -- and other case reports and 11 smaller studies. We'll talk about the 12 significance of that later, and I understand that. 13 Let me ask this: Have you read every 14 study listed under the Medical Literature portion 15 of the reliance list? 16 A. I have certainly referenced all of them. 17 You know, have I read through all of them from 18 front to back? Some I probably reviewed abstract, 19 but many of these, yes, I will have read through. 20 But, again, that's the same way that I would write 21 a manuscript for a journal, right? 22 As we've discussed, there's 24 hours in a 23 day, and I have a lot going on, so am I aware of 24 what's here, and is here important for the 25 reference? Yes, it is, but I don't -- so, yes,</p>	<p style="text-align: right;">Page 45</p> <p>1 it into those binders? 2 A. I -- I -- I don't know that I can say 3 that. For me, what's in the binders is 4 information that is important, but just because 5 something wasn't cited or referenced doesn't mean 6 that it's not important. It may not have just 7 made the cut for -- for the report. 8 I don't know if that makes sense. 9 Q. Sure. What was the basis for the cut? 10 A. For me, the -- I forget the length of the 11 reports. There's somewhere around 15 pages each. 12 As a general -- I mean, you can't put everything 13 in a report. So as far as what's the basis, I 14 think I put in the information that I think is 15 pertinent to the discussion, so -- but I -- does 16 that make sense? 17 Q. It does. And it may be just semantics 18 that we're circling through here. 19 And again, whether it's no significance, 20 more significant, this isn't a gotcha trap or 21 anything like that. This is simply I'm trying to 22 help my firm and other firms when they see you 23 down the road prepare for that. That's why we're 24 here today. 25 A. And again, just to be clear, I don't feel</p>

<p style="text-align: right;">Page 46</p> <p>1 like you're trying to get me.</p> <p>2 Q. Sure.</p> <p>3 A. I don't feel like I'm trying to skirt</p> <p>4 something or that I'm trying to outsmart you</p> <p>5 because I don't think I can. I am not a lawyer.</p> <p>6 I'm just trying to answer the question as you</p> <p>7 asked, but I think it is important for other</p> <p>8 lawyers and people asking me things to understand</p> <p>9 the knowledge that I have can -- is not all</p> <p>10 completely referenced here.</p> <p>11 Does that make sense?</p> <p>12 Q. Sure. And that's a different thing.</p> <p>13 You're saying that the knowledge that you have in</p> <p>14 forming the basis of your opinions is not just in</p> <p>15 the reliance list; it's your education and your</p> <p>16 experience and your experience with patients and</p> <p>17 other things?</p> <p>18 A. That is what I'm saying.</p> <p>19 Q. Sure. And I understand that. I</p> <p>20 understand that, and I'm not trying to marry --</p> <p>21 first of all, you're definitely smarter than I am.</p> <p>22 A. I don't think so.</p> <p>23 Q. Second, I'm not trying to marry you to</p> <p>24 your opinion being solely from coming from the</p> <p>25 documents or items listed in the reliance list as</p>	<p style="text-align: right;">Page 48</p> <p>1 A. Sorry. So I'm not sure that I understand</p> <p>2 what you're asking. You're asking if there are --</p> <p>3 if there's material here that would be important</p> <p>4 to me that's not in the -- I'm sorry. I don't --</p> <p>5 I really didn't --</p> <p>6 BY MR. BRADFORD:</p> <p>7 Q. Sure.</p> <p>8 A. I don't understand the difference between</p> <p>9 what you're asking and what I'm answering.</p> <p>10 Q. Dr. Jeppson, would you agree that the</p> <p>11 studies that are most important to your opinions</p> <p>12 are contained within the citations to your report</p> <p>13 and the additional literature of your studies</p> <p>14 contained within the binders you brought today?</p> <p>15 A. Yeah. I think -- yes, I think that would</p> <p>16 be a fair statement. I've included the stuff that</p> <p>17 would be most important to me in the reports, but</p> <p>18 that's not everything.</p> <p>19 Q. Okay. Thank you, Doctor.</p> <p>20 I want to move forward to the portion of</p> <p>21 the reliance list under Production Materials.</p> <p>22 It's about two-thirds, three-quarters of the way</p> <p>23 through it.</p> <p>24 Dr. Jeppson, contained within what's</p> <p>25 categorized as Production Materials are many</p>
<p style="text-align: right;">Page 47</p> <p>1 T-2, okay? That's not what I'm doing. I am</p> <p>2 simply trying to establish what needs to be</p> <p>3 reviewed down the road when these cases go to</p> <p>4 trial.</p> <p>5 What I don't want to have happen, for</p> <p>6 example, is there would be some study buried in</p> <p>7 here that's not in there anywhere that we don't</p> <p>8 talk about today when I'm asking you what's</p> <p>9 significant, and at trial, that be the -- what's</p> <p>10 held up, and we've not reviewed it, or other</p> <p>11 lawyers have not reviewed it thoroughly. That's</p> <p>12 it. That's all I'm doing, okay?</p> <p>13 A. Okay.</p> <p>14 MR. KOOPMANN: Just wait for a question.</p> <p>15 BY MR. BRADFORD:</p> <p>16 Q. So -- and with that foundation, I don't</p> <p>17 know how to ask it other than I've asked it in</p> <p>18 terms of what's more significant. I've asked it</p> <p>19 in terms of what's more important.</p> <p>20 Are there studies within this reliance</p> <p>21 list of medical literature that reach a level of</p> <p>22 importance to you to support your opinions if</p> <p>23 these cases are tried?</p> <p>24 MR. KOOPMANN: Objection. You can go</p> <p>25 ahead.</p>	<p style="text-align: right;">Page 49</p> <p>1 internal corporate documents, correct?</p> <p>2 A. Yes, sir.</p> <p>3 Q. Okay. Did you do any independent search,</p> <p>4 dive, look into those internal Ethicon documents,</p> <p>5 or were those documents that were provided to you</p> <p>6 by Ethicon?</p> <p>7 A. These are documents that were provided to</p> <p>8 me by Ethicon. I -- again, for internal</p> <p>9 documents, really for any corporation, I would not</p> <p>10 have access to, you know. I did not --</p> <p>11 Q. And that's my point. You're relying upon</p> <p>12 Ethicon to provide you whatever internal corporate</p> <p>13 documents they want you to have, correct?</p> <p>14 A. For the internal documents, I would be</p> <p>15 relying upon Ethicon or Johnson & Johnson based on</p> <p>16 what they have. I do think that for this matter</p> <p>17 it's in their best interest to be transparent. If</p> <p>18 they don't provide information to me, then, at</p> <p>19 some point, it will come out, you know, in trial</p> <p>20 or whatnot.</p> <p>21 So -- but, yes, I am assuming that they</p> <p>22 would be transparent with me in the relationship</p> <p>23 that has been established.</p> <p>24 Q. Regarding internal Ethicon or Johnson &</p> <p>25 Johnson documents, is it correct that, if they</p>

<p style="text-align: right;">Page 50</p> <p>1 don't provide that to you, you can't review it?</p> <p>2 A. That is correct, in contrast to the</p> <p>3 medical literature which is readily available,</p> <p>4 yes, these would be internal documents.</p> <p>5 Q. Is it also correct that Ethicon and</p> <p>6 Johnson & Johnson choose which internal documents</p> <p>7 to provide you?</p> <p>8 A. So, you know, as I mentioned before, I do</p> <p>9 think that is true, but I also think that it is in</p> <p>10 Johnson & Johnson's or Ethicon's best interest to</p> <p>11 provide all pertinent information so that, as an</p> <p>12 expert witness, I can have access to that and have</p> <p>13 reviewed it.</p> <p>14 Q. And I agree with you about that, but</p> <p>15 my -- the question is simpler than that. Ethicon</p> <p>16 or Johnson & Johnson choose which internal</p> <p>17 documents to provide for your review?</p> <p>18 A. Like I said, yes, I think that is up to</p> <p>19 them.</p> <p>20 Q. Have you personally reviewed each of the</p> <p>21 items listed under the Production Materials</p> <p>22 category of the reliance list?</p> <p>23 A. So I think it was probably -- it might</p> <p>24 have been longer than six months ago for this</p> <p>25 stuff, but, yes, when I went into -- to agreement</p>	<p style="text-align: right;">Page 52</p> <p>1 or --</p> <p>2 Q. Maybe I'm not -- if you've worked on</p> <p>3 Silva, for example, or other case-specific --</p> <p>4 A. Yes.</p> <p>5 Q. -- what we call case-specific in our</p> <p>6 business, I'm not interested in that, okay?</p> <p>7 A. Okay. So I have not billed for anything</p> <p>8 other than case-specific to Ethicon.</p> <p>9 Q. Okay. So the -- your review of the items</p> <p>10 and documents listed under the Productions</p> <p>11 Material category of the reliance list -- I just</p> <p>12 want to be sure I understand -- that's not</p> <p>13 included in the billing on -- that you provided</p> <p>14 today, correct?</p> <p>15 A. That's probably an oversight on my part.</p> <p>16 What's included there is, when they asked me to</p> <p>17 generate an expert report, from that time forward,</p> <p>18 I tracked the time spent and added to, but I did</p> <p>19 not go back through.</p> <p>20 I think in part -- you know, part of</p> <p>21 doing anything is having the foundation or</p> <p>22 understanding to be able to do a job. So I did</p> <p>23 not go back retrospective to a prior time with</p> <p>24 this billing.</p> <p>25 Q. Do you have any recollection of how much</p>
<p style="text-align: right;">Page 51</p> <p>1 with Ethicon to be an expert witness, I was</p> <p>2 provided the information, and I reviewed it. And</p> <p>3 that would have been around, you know, this time</p> <p>4 last year. I forget when this was signed. Was it</p> <p>5 April?</p> <p>6 So it probably would have been, you know,</p> <p>7 May-ish or somewhere around there, April or May or</p> <p>8 somewhere in there that I received the information</p> <p>9 and reviewed it.</p> <p>10 Q. And the time for that would be contained</p> <p>11 within the billing records you provided me?</p> <p>12 A. I don't know that I actually included</p> <p>13 that time in my billing. What I included in the</p> <p>14 billing was everything that I reviewed for the</p> <p>15 reports and put together for the reports.</p> <p>16 So -- but, yes, I did spend time going</p> <p>17 through all of this.</p> <p>18 Q. Have you submitted billing invoices to</p> <p>19 Ethicon other than the one provided here today</p> <p>20 attached as Exhibit T-7?</p> <p>21 A. The invoice for today is related to the</p> <p>22 expert reports, and so that's what is billed</p> <p>23 there. I have provided some review of patients.</p> <p>24 I've been deposed on Silva, and so that -- that I</p> <p>25 have done, but not in relation to an expert report</p>	<p style="text-align: right;">Page 53</p> <p>1 time you would have spent reviewing the documents</p> <p>2 or items listed under Production Materials?</p> <p>3 A. I don't recall. You know, it would have</p> <p>4 been probably a half day or a day's worth to look</p> <p>5 through and read them, to skim through and to --</p> <p>6 to get things, and then I've gone back later, but,</p> <p>7 yeah, I don't recall.</p> <p>8 Q. When you say you've gone back later, what</p> <p>9 do you mean by that?</p> <p>10 A. So I've gone back through and flipped</p> <p>11 through the folders to look at either particular</p> <p>12 things or to try to refresh my memory on, you</p> <p>13 know, certain things, on certain information.</p> <p>14 Q. Would that be captured in the billing</p> <p>15 that you provided?</p> <p>16 A. That would be captured in the billing</p> <p>17 provided. If it was done during the time that I</p> <p>18 was generating reports, it would be captured here.</p> <p>19 Q. And then I want to move on to the portion</p> <p>20 of the reliance list regarding company witness</p> <p>21 depositions.</p> <p>22 Would you agree there's an alphabetized</p> <p>23 list of company witness depositions that were</p> <p>24 taken?</p> <p>25 A. Yes, I would agree.</p>

<p style="text-align: right;">Page 54</p> <p>1 Q. All right. And when would you have 2 received those deposition transcripts? 3 A. So that would have been back at the 4 beginning as well along with the production 5 materials. 6 Q. Okay. And did you read each of the 7 depositions listed in the Company Depositions 8 Witness portion of your reliance list? 9 A. I reviewed the depositions that I got. I 10 reviewed all of the information that I received, 11 but this would have been a while ago. It probably 12 would have been around last April that I reviewed 13 this information. 14 Q. All right. And that would not be 15 contained within the billing records you provided, 16 today, correct? 17 A. That is correct. 18 Q. And you have not billed Ethicon for that 19 time, correct? 20 A. If it was pertinent to case-specific, 21 then it would have been billed for the 22 case-specific. 23 Does that make sense? 24 Q. It does. And I guess I'm going to need 25 to ask -- I wanted to avoid it, but there's the</p>	<p style="text-align: right;">Page 56</p> <p>1 Does that make sense? 2 Q. Sure. 3 A. So that wouldn't necessarily -- you know, 4 like I -- just my personality, I wouldn't 5 necessarily track all of that. It's like me doing 6 my -- investing in my knowledge and ability. 7 Does that make sense? 8 Q. Yes, it does. 9 How much time did you spend reviewing the 10 depositions provided to you listed under the 11 Company Witness Deposition portion of your 12 reliance list? 13 A. That, I don't remember. Ballpark, I'm 14 sure I spent several hours going through it, but 15 I -- you know, was it two hours or four hours? I 16 don't know. It wouldn't have been more than a 17 half day I don't think. I tend to try to be very 18 efficient with things, so my guess would be a 19 couple of hours. 20 Q. And these deposition transcripts, Ethicon 21 chose which ones to provide you, correct? 22 A. As we discussed with the production 23 materials, yes, the -- I did not do an independent 24 law search, so they were provided, yes. 25 Q. All right. And to save us a little time,</p>
<p style="text-align: right;">Page 55</p> <p>1 case that you were deposed on obviously, Silva, 2 correct? 3 A. Yes. 4 Q. How many other case-specific -- strike 5 that. 6 How many other individual cases has 7 Ethicon hired you to review? 8 A. I don't remember offhand. I would have 9 to look. I would -- I would -- you know, a very 10 rough guess, I would say probably seven or eight, 11 and some, you know, reached settlement before 12 moving to deposition, and others are still 13 ongoing. 14 Q. Sitting here today, do you have any 15 independent thought or memory as to which of these 16 depositions listed under Company Witness 17 Depositions, if any, would have been relevant to 18 and billed for any of the individual cases you 19 reviewed for Ethicon? 20 A. That I don't remember, but, again, you 21 know, in reviewing the production list and the 22 deposition list, I view that as necessary to be an 23 expert witness, and if I'm hired by someone to do 24 a job, I need to do my due diligence so that I 25 understand what I'm doing.</p>	<p style="text-align: right;">Page 57</p> <p>1 are the same answers you gave regarding the 2 production materials for internal documents, are 3 those the same answers regarding these deposition 4 transcripts? 5 A. They would -- they would be very similar, 6 yes. 7 MR. KOOPMANN: I'm going to object to 8 that last question as vague, but it's fine. 9 MR. BRADFORD: Yeah. Let me ask --- I'll 10 go through the questions then. 11 BY MR. BRADFORD: 12 Q. Dr. Jeppson, Ethicon chose which company 13 witness deposition transcripts to provide to you, 14 correct? 15 A. They provided the depositions to me, yes. 16 Q. And they chose which ones to provide to 17 you, correct? 18 A. That is correct, they did. 19 Q. All right. Moving beyond the deposition 20 portion of your reliance list, we -- there's an 21 Other Materials section that the first page looks 22 to be a lot of industry organization -- strike 23 that. That's not accurate. 24 I don't want to ask you about all these 25 things. I'm trying to find a general way to go</p>

<p style="text-align: right;">Page 58</p> <p>1 through this, okay?</p> <p>2 So the next page -- or, the first page of</p> <p>3 Other Materials, that looks to be industry or</p> <p>4 medical organization presentations or position</p> <p>5 statements and things like that, correct?</p> <p>6 A. Yeah. And I don't know if there's any</p> <p>7 industry unless you include the FDA as industry.</p> <p>8 Q. That's what I did.</p> <p>9 A. But, yeah, essentially these are going to</p> <p>10 be position statements from medical societies,</p> <p>11 medical organizations, and then the FDA is</p> <p>12 basically what's here. There is some industry as</p> <p>13 well, yeah, you're right, Boston Scientific.</p> <p>14 Q. Okay. So did Ethicon provide you</p> <p>15 digital, hard, electronic copies of all of the</p> <p>16 items listed on the first two and a half pages of</p> <p>17 Other Materials?</p> <p>18 A. So this is -- this is where I get</p> <p>19 confused, and I don't mean to be hard. But, yes,</p> <p>20 they did provide them to me, but many of these I</p> <p>21 would be aware of, and I would have included to</p> <p>22 give them which they then compiled and gave back.</p> <p>23 Does that make sense?</p> <p>24 Q. Sure. Some of this is publically</p> <p>25 available?</p>	<p style="text-align: right;">Page 60</p> <p>1 you know, the device labeling and those types of</p> <p>2 things --</p> <p>3 Q. Sure.</p> <p>4 A. -- but the majority of these, yes, were</p> <p>5 provided by Ethicon.</p> <p>6 Q. Okay. Specifically I want to ask you</p> <p>7 about, do you know what the Batiste trial is?</p> <p>8 A. I don't recall the Batiste trial offhand,</p> <p>9 no.</p> <p>10 Q. That's something Ethicon chose to provide</p> <p>11 you, correct?</p> <p>12 A. That is correct.</p> <p>13 Q. You didn't ask for that; did you?</p> <p>14 A. I did not.</p> <p>15 Q. Do you know why they wanted you to see</p> <p>16 that?</p> <p>17 A. I don't recall. I'd have to go back and</p> <p>18 refresh my memory what the Batiste trial is. Then</p> <p>19 I can answer that question.</p> <p>20 Q. I want to ask about the excerpts from the</p> <p>21 deposition of Kimberly Kenton, M.D. Do you know</p> <p>22 why Ethicon thought you should see that?</p> <p>23 A. I don't. I know Dr. Kenton, but I don't</p> <p>24 know why those excerpts in particular.</p> <p>25 Q. And is the same true for the Heniford DBD</p>
<p style="text-align: right;">Page 59</p> <p>1 A. Yes. Much of this -- I mean, the vast</p> <p>2 majority of this is publically available. All the</p> <p>3 FDA, all the society position statements, all of</p> <p>4 this is -- you know, ABOG, all this is going to</p> <p>5 be, and it will either be publically available or</p> <p>6 available through membership to the organizations,</p> <p>7 and I belong to most of these.</p> <p>8 Q. Sure. All right. I want to move -- I</p> <p>9 want to look to -- on Other Materials, there's a</p> <p>10 break, and I've got some notes on here. You're</p> <p>11 welcome to see them. I don't care.</p> <p>12 But under Other Materials, it is the</p> <p>13 third to last page, okay? There's some CFR</p> <p>14 sections and then Batiste, B-A-T-I-S-T-E, trial</p> <p>15 opening presentation and some other things.</p> <p>16 And, again, are these materials that</p> <p>17 Ethicon provided to you, or did you ask for any of</p> <p>18 this from them?</p> <p>19 A. This list under Other Materials, much of</p> <p>20 this was provided by Ethicon. Again, this is</p> <p>21 pertinent to, I think, understanding the devices</p> <p>22 and potentially, you know, risks associated or,</p> <p>23 you know, what was provided to providers, you</p> <p>24 know, like a lot these -- or, some of these</p> <p>25 anyways would be things included in the device,</p>	<p style="text-align: right;">Page 61</p> <p>1 transcription?</p> <p>2 A. Yes.</p> <p>3 Q. Do you recall sitting here today what</p> <p>4 that is?</p> <p>5 A. I'd have to refresh my memory.</p> <p>6 Q. And do you recall sitting here today what</p> <p>7 the Pence, P-E-N-C-E, direct slides are?</p> <p>8 A. And then, again, my same statement. I</p> <p>9 would need to go back and review to refresh my</p> <p>10 memory.</p> <p>11 Q. Is the same true for Perry, P-E-R-R-Y,</p> <p>12 versus Ethicon closing statement?</p> <p>13 A. Yes.</p> <p>14 Q. All right. And there's an additional</p> <p>15 list of deposition testimony provided here as</p> <p>16 well, correct?</p> <p>17 A. Yes.</p> <p>18 Q. And I will represent to you -- well,</p> <p>19 actually that's not true. I can't say that, but</p> <p>20 there are some company witnesses in there.</p> <p>21 Under the deposition testimony listed on</p> <p>22 the last -- the second to last page and the last</p> <p>23 page, those are depositions or portions of</p> <p>24 deposition testimony Ethicon chose to provide you?</p> <p>25 A. Yes.</p>

<p style="text-align: right;">Page 62</p> <p>1 Q. And you reviewed those?</p> <p>2 A. I did.</p> <p>3 Q. And just so we're clear, this isn't</p> <p>4 something you asked for Ethicon to give you; they</p> <p>5 chose to give that to you, correct?</p> <p>6 A. That is correct.</p> <p>7 Q. And I'm sorry. I misspoke. Just so the</p> <p>8 record's clear, I said "the second to last page</p> <p>9 and the last page," and I was wrong. The last</p> <p>10 page is actually some expert reports from MDL wave</p> <p>11 cases.</p> <p>12 Do you see that?</p> <p>13 A. Yes.</p> <p>14 Q. And did you review those expert reports?</p> <p>15 A. I did.</p> <p>16 Q. Do you recall how much time you would</p> <p>17 have taken reviewing those expert reports?</p> <p>18 A. I don't recall. Many of these are</p> <p>19 reports that would have been included with the</p> <p>20 case-specific. You know, each case would have an</p> <p>21 expert witness. So I would have reviewed, you</p> <p>22 know, just looking at the many -- many of them</p> <p>23 I've seen a couple of times with those</p> <p>24 case-specific, but I did read through them.</p> <p>25 MR. BRADFORD: We've been going a little</p>	<p style="text-align: right;">Page 64</p> <p>1 say three weeks ago, but it was probably six weeks</p> <p>2 ago now -- that the synthetic mesh vaginal POP</p> <p>3 kits are no longer allowed to be used; you're</p> <p>4 aware of that?</p> <p>5 A. That was mid April, yes.</p> <p>6 Q. Time goes.</p> <p>7 A. Yes.</p> <p>8 Q. Have you heard amongst your colleagues</p> <p>9 any discussion about a similar fate for synthetic</p> <p>10 meshes for stress urinary incontinence implanted</p> <p>11 vaginally?</p> <p>12 A. There have been discussions about that</p> <p>13 for quite a while actually, but since the report</p> <p>14 came out on -- and it's the banning of the sale of</p> <p>15 pre-made kits to be used transvaginally. But</p> <p>16 after that came out, AUGS put out two -- they're</p> <p>17 not position statements, but the president of AUGS</p> <p>18 put out two statements regarding mesh. AAGL did</p> <p>19 as well. That's two As and a G and an L. AAGL</p> <p>20 did as well.</p> <p>21 And the second issue from AUGS was</p> <p>22 specific to discussions that were had by AUGS</p> <p>23 leadership and the FDA. And one of the points in</p> <p>24 that communication was specific to the concern</p> <p>25 that many providers have in the United States that</p>
<p style="text-align: right;">Page 63</p> <p>1 over an hour. Let's take a couple of minutes.</p> <p>2 THE WITNESS: Yeah, sure. Thank you.</p> <p>3 MR. KOOPMANN: That's what I was just</p> <p>4 going to suggest.</p> <p>5 (Whereupon, a brief recess is taken.)</p> <p>6 BY MR. BRADFORD:</p> <p>7 Q. Dr. Jeppson, when Ethicon approached you</p> <p>8 about becoming an expert in this case, what about</p> <p>9 that was interesting to you?</p> <p>10 A. From my perspective, my concern is that</p> <p>11 mesh not be an option for patients, and based on</p> <p>12 the medical literature for midurethral sling and</p> <p>13 sacrocolpopexy, mesh should be an option. And so</p> <p>14 I am concerned particularly with the class action</p> <p>15 lawsuits that were filed in Washington and other</p> <p>16 states that, if these very good options are taken</p> <p>17 away from women, we will set ourselves back, you</p> <p>18 know, 20, 30 years in what we can offer patients.</p> <p>19 And so, from my perspective, you know,</p> <p>20 essentially the opinions in that that I have</p> <p>21 provided are in line with all of the national and</p> <p>22 international organizations, and so I want to</p> <p>23 report that there are benefits of these options</p> <p>24 for patients. That's what's appealing to me.</p> <p>25 Q. I'm sure you're aware -- I would like to</p>	<p style="text-align: right;">Page 65</p> <p>1 midurethral slings will be taken from the market.</p> <p>2 That is not what the FDA said, but there</p> <p>3 is concern that that could be a -- you know, an</p> <p>4 indicator of things to come. And the medical</p> <p>5 community, I would say, is -- the vast majority of</p> <p>6 the medical community would not agree with that</p> <p>7 based on the evidence and what has been published</p> <p>8 regarding slings in particular.</p> <p>9 Q. Do you have any understanding as to the</p> <p>10 prevalence of midurethral synthetic sling use over</p> <p>11 time?</p> <p>12 A. Well, it has increased over time. It</p> <p>13 was -- I mean, it was first reported in the '90s,</p> <p>14 right, and so prior to that, it wasn't available.</p> <p>15 And now, I mean, the position statements are that</p> <p>16 it's the standard of care for most women.</p> <p>17 Q. Do you have any -- strike that.</p> <p>18 TVT came on the market in 1998?</p> <p>19 A. Yeah. It was around '97, '98, somewhere</p> <p>20 around there.</p> <p>21 Q. And TVT-O came on the market in 2004?</p> <p>22 A. So, yeah. So the Monarc, I think, was</p> <p>23 2001 or so, but, yeah, so around that, the late</p> <p>24 '90s, early 2000s.</p> <p>25 Q. Sure. The first midurethral slings were</p>

<p style="text-align: right;">Page 66</p> <p>1 the retropubic slings that came on the market, 2 right? 3 A. Yes. 4 Q. And then after that came different 5 companies' versions of transobturator slings? 6 A. And other slings in general, yes. 7 Q. Right. And then after that came the mini 8 slings? 9 A. And then mini slings came later, yes. 10 Q. Okay. From 1998 to 2019, do you have any 11 understanding as to the prevalence of synthetic 12 midurethral sling usage in the country? 13 A. Do I have, like, a number treated per 14 year? 15 Q. Sure. 16 A. I don't recall that offhand. I'd have to 17 look. 18 Q. Or any understanding of any trending or 19 trendline in the use of midurethral slings for 20 stress urinary incontinence. 21 A. So midurethral slings would have started 22 out being done by a few, kind of the trailblazers 23 and then early adopters, and then it would have 24 increased. I will tell you from experience, based 25 on in part the FDA issuance of mesh in general,</p>	<p style="text-align: right;">Page 68</p> <p>1 your medical training and your training through 2 residency and others that led you to be a 3 urogynecologist as you are today, okay? 4 A. Okay. 5 Q. When did you start medical school? 6 A. 2002. 7 Q. All right. When did you graduate medical 8 school? 9 A. 2006. 10 Q. And what specialty did you decide to 11 enter into? 12 A. Do you want, like, my whole backstory, or 13 you just want a quick -- 14 Q. Give me the cliff notes. 15 A. So in medical school, I went through many 16 different options trying to decide what I wanted 17 to. At the end of medical school, I was thinking 18 about either becoming a urologist or becoming an 19 OB/GYN. The OB/GYN route was more appealing to me 20 because at the time I was considering reproductive 21 endocrinology and fertility or urogyn, and OB/GYN 22 kept both options open. When I got into 23 residency, I actually chose to do urogynecology. 24 Q. All right. And you did your residency at 25 Cleveland Clinic?</p>
<p style="text-align: right;">Page 67</p> <p>1 but then all of the advertisements and everything 2 that go along with that, I often see patients who 3 tell me they don't want mesh even though they 4 really don't know what it is or what that means. 5 So I would suspect that, if you were to 6 look at a trend, you would see a pretty sharp 7 increase in mesh with the 2008 FDA, and then the 8 2011 and the 2016, I suspect there's probably been 9 a little bit of a plateau or perhaps a decrease 10 would be my guess, but I would have to look at 11 that data. 12 Q. Thank you, Doctor. 13 I have the benefit of being provided your 14 CV. I've got a copy. Do you have a copy of it? 15 You probably don't need it, but I've got a copy of 16 it. 17 MR. KOOPMANN: It's in one of his 18 binders. 19 MR. BRADFORD: I've got a copy handy. 20 A. You can ask me. 21 BY MR. BRADFORD: 22 Q. You probably know it, but there you go, 23 just in case. 24 I want to go through your background a 25 little bit, not in much detail, more focused on</p>	<p style="text-align: right;">Page 69</p> <p>1 A. I did Case Western Reserve MetroHealth 2 and Cleveland Clinic. It was a combined program. 3 Q. All right. And then you did an 4 additional fellowship? 5 A. Correct. I did three years at Brown 6 University. The hospital affiliated is Women's & 7 Infants, and I was there from 2010 to 2013. 8 Q. All right. I want to ask you about your 9 experience in treating stress urinary incontinence 10 and do that by time frame. 11 Okay. So when in the course of your 12 medical school or residency or fellowship did you 13 have the occasion to first encounter patients who 14 were suffering from stress urinary incontinence? 15 A. So it would have been as a third-year 16 medical school student in St. Louis. I feel that 17 I was fortunate to have had the opportunity to 18 rotate with urogynecologists as a student. That 19 would have been -- I don't remember exactly when 20 that clerkship was. It would have been around 21 2004, maybe late 2004, early 2005. It would have 22 been 2004. 23 And then I did a sub-I on urogynecology, 24 and that would have been in early 2005. And 25 that's just additional -- an elective where you</p>

<p style="text-align: right;">Page 70</p> <p>1 spent more time with a particular field to get a 2 better idea of what it is and to decide if you 3 might want to do that.</p> <p>4 Q. All right. And what -- actually, I 5 don't -- during that time frame before your 6 residency, what treatment options were you taught 7 or told about regarding stress urinary 8 incontinence?</p> <p>9 A. So as a medical student, I would have 10 learned about the options available at the time, 11 the midurethral sling, the Burch procedure, the 12 MMK, which predated the Burch, but is very 13 similar, and then pubovaginal slings.</p> <p>14 At the time -- I'm trying to remember -- 15 I'm pretty sure they were doing periurethral 16 bulking as well and then all the nonsurgical 17 options, right, like pessaries. I know that I saw 18 pessaries as a medical student. I know they 19 talked about Kegels in didactics and lectures.</p> <p>20 So I don't know if you want me to focus 21 specific on surgery, but, you know, we covered -- 22 you know, as a medical student on the clerkship, I 23 would have had learning objectives that would have 24 incorporated those, and then certainly on my sub-I 25 I did.</p>	<p style="text-align: right;">Page 72</p> <p>1 surgeries, at the time as a resident, I saw many 2 midurethral slings, both retropubic and 3 transobturator. I also saw pubovaginal slings or 4 the -- some people call them fascial slings. And 5 they were also doing some Virtues -- I'm trying to 6 think -- and periurethral bulking. I saw those as 7 well. They were using Coaptite at the time.</p> <p>8 Q. Early on during your residency, did you 9 favor any specific -- as to the surgical 10 techniques, did you favor any one over the other?</p> <p>11 A. You know, at the time, I -- mini urethral 12 slings were the most common at the time, and 13 again, being at the institutions I was, there were 14 ongoing NIH funded studies looking specifically at 15 midurethral slings and other treatment options.</p> <p>16 But my opinions -- you know, it's hard to 17 go back and reflect on things in a vacuum because, 18 you know, this would have been in, you know, 19 2000 -- the first time I would have seen a sling 20 in residency probably would have been 2006 or '7, 21 but there's just been so much experience since 22 then. It's hard to disassociate the two.</p> <p>23 But midurethral sling has kind of always 24 been the gold standard treatment everywhere I've 25 been unless there were, you know, indications not</p>
<p style="text-align: right;">Page 71</p> <p>1 Q. Right. And I am interested in both the 2 surgical and nonsurgical options, so I appreciate 3 you going through that.</p> <p>4 Any other nonsurgical options?</p> <p>5 A. So are you asking at the time of being a 6 student or just in general now?</p> <p>7 Q. At the time of being a student first.</p> <p>8 A. That is a long time ago.</p> <p>9 Q. All right. Let me skip ahead. It 10 doesn't matter.</p> <p>11 A. Because a lot of that gets contaminated 12 because I just published a systematic review on 13 the nonsurgical treatment of urinary incontinence, 14 both stress/urgent mixed, so...</p> <p>15 Q. All right. Let's skip ahead to your 16 residency. Did you treat patients with stress 17 urinary incontinence during your residency?</p> <p>18 A. Yes, sir.</p> <p>19 Q. All right. And what did you use? What 20 did you do?</p> <p>21 A. So at the time, again, the -- there would 22 have been the nonsurgical treatments that we just 23 discussed, Kegels, behavioral modifications, 24 physical therapy, pessary.</p> <p>25 In addition to the nonsurgical options,</p>	<p style="text-align: right;">Page 73</p> <p>1 to or if the patient doesn't want it.</p> <p>2 Q. When did you first hear midurethral 3 slings referred to as the gold standard?</p> <p>4 A. It would have been -- I don't think they 5 would have talked about that in St. Louis, 6 although they may have. I don't remember. 7 Certainly in residency it was a discussion. 8 That's why most people got midurethral slings. If 9 Burch or pubovaginal slings had been the best 10 option at the time, it would have followed the 11 evidence.</p> <p>12 Q. Are you familiar with the first piece of 13 medical literature that referred to midurethral 14 slings as the gold standard?</p> <p>15 A. I don't know. I -- I don't remember 16 which one was the first one, so I don't know if I 17 do or don't.</p> <p>18 Do you remember? Are you asking about 19 one in particular?</p> <p>20 Q. I'm sad to report that I do.</p> <p>21 A. Yeah.</p> <p>22 Q. Do you know who authored that study? 23 Strike that. That was a bad question.</p> <p>24 Do you know who authored that piece of 25 literature?</p>

<p style="text-align: right;">Page 74</p> <p>1 A. The first one that referred to it as a 2 gold standard? 3 Q. Yes, sir. 4 A. I don't. 5 Q. And do you know what basis or citation 6 was given for midurethral slings to be referred to 7 as the gold standard in that first piece of 8 literature referencing it as the gold standard? 9 A. I'd have to go back and look. I don't 10 know which was the first. I know there have been 11 many, many since then, including systematic 12 reviews that corroborate the findings. 13 So from forming medical opinions, I 14 suppose it's not that important to me to know who 15 first coined the phrase "gold standard," but the 16 fact that it's supported by all other medical 17 literature that I've looked at, you know, is what 18 I guess I base my opinion on. 19 Q. When did you first start implanting 20 midurethral slings? 21 A. So performing them would have been as a 22 resident, so probably 2007, 2008. 23 Q. Do you recall which specific 24 manufacturers and which device you would have 25 implanted?</p>	<p style="text-align: right;">Page 76</p> <p>1 should say is they had the Boston Scientific 2 Advantage Fit. Recently the hospital changed from 3 Advantage Fit to the Desara Blue, both regular and 4 the TV, which is a Caldera product. 5 Q. And you mentioned that's the hospital you 6 do more of your surgeries at. 7 A. Uh-huh. 8 Q. Which hospital is that, and why do you do 9 more surgeries at one over the other? 10 A. Just based on schedules. There's five 11 urogynecologists here in New Mexico, accommodating 12 for or time for everyone involved having different 13 people at different places. That hospital is 14 Sandoval Regional Medical Center. It's up in Rio 15 Rancho, so -- I don't know -- a half hour north of 16 UNM. And I live near there than many of my 17 colleagues, so I see patients in the clinic and 18 operate there. 19 Q. And you entered private practice in 2013? 20 A. So I entered -- university practice, is 21 that what you mean? 22 Q. I appreciate the distinction because it 23 is an important one. You left your fellowship and 24 entered university practice in 2013, correct? 25 A. That is correct.</p>
<p style="text-align: right;">Page 75</p> <p>1 A. So at the time, AMS was still using the 2 Monarc. We -- and Monarc was -- they were all 3 involved in studies at the time, but certainly I 4 used Monarc. We used Ethicon's TVT, the original 5 TVT. They were also using the TVT-O. And I think 6 that was it. 7 Q. All right. Since that time, have you 8 implanted other different midurethral slings? 9 A. Yes. 10 Q. Tell me -- just list the ones that you've 11 used, and as best you can, when you've used them. 12 A. So that was residency. In fellowship, we 13 did some Monarcs, but they were doing more TVT-Os 14 or TVT-O Abbrevos. And this is 2010 to 2013. We 15 were also using the kind of standard TVT. 16 Q. Any others? 17 A. At the time, that was what we were using. 18 Q. What about since then, moving from your 19 fellowship into your private practice? 20 A. So since that time -- I operate at two 21 different hospitals. One of the hospitals still 22 uses the Ethicon TVT. It also has the Boston 23 Scientific Advantage Fit. 24 The other hospital where I work more 25 commonly -- or, where I operate more frequently I</p>	<p style="text-align: right;">Page 77</p> <p>1 Q. And you've been affiliated with the 2 University of New Mexico since then? 3 A. Yes, sir. 4 Q. Okay. Since you left your fellowship and 5 entered the university practice, how many 6 midurethral slings have you implanted? 7 A. I don't know. It's a very common 8 procedure. I would guesstimate hundreds, if not 9 thousands, but I don't know that. That's a guess. 10 Q. And of those -- we can answer by number 11 or percentage, whatever is easiest for you for 12 each device. How best could you tell or explain 13 that to me? 14 A. So since graduating, just based on what 15 they have at the hospitals, you know, just -- I 16 would say off the record, if we weren't having a 17 conversation that's on the record, but I think 18 TVT, the original TVT, is still my preferred just 19 because that's, you know, what I used the most in 20 training. 21 Since being here in New Mexico, what I've 22 used the most is the Boston Scientific Advantage 23 Fit because that's what they've had at the 24 hospital. You know, if you were to ask me in 25 three years, it would probably be the Desara</p>

<p style="text-align: right;">Page 78</p> <p>1 because we've, you know, recently switched to 2 that. So at some point, those numbers will catch 3 up and then surpass. 4 From my perspective, it's not necessarily 5 important the brand or the manufacturer. It's 6 really the placement of the -- the mesh that 7 works, so... 8 If, you know, somebody were to approach 9 the hospital and provide them a better cost than 10 the Caldera, I would go with them. I presume that 11 they have similar data. 12 Q. Have you implanted a TVT-O since you left 13 your fellowship in 2013 and went into university 14 practice? 15 A. TVT-O, I have not. 16 Q. Have you implanted a TVT Abbrevio since 17 you left fellowship and went into private 18 practice? 19 A. I have not, but only because they don't 20 have it at the hospital. And as far as the TOT 21 option goes, I prefer the Abbrevio actually. I 22 prefer the in to out. 23 Q. Over all other transobturator slings? 24 A. Again, I think that they are similar, but 25 just for me personally, yes, I would -- I just</p>	<p style="text-align: right;">Page 80</p> <p>1 obturator membranes in that. I think it goes 2 further out. 3 Q. How long is the TVT retropubic? 4 A. I don't remember. I'd have to look at 5 the -- I'd have to look at it. And it's -- I 6 don't know how long that is. 7 Q. All right. 8 A. It's long enough to go through the 9 periurethral tissue, retropubically come out of 10 the pubic -- the suprapubic incision sites and 11 still extend beyond that, even in obese patients, 12 but I don't know the length. 13 Q. All right. And do you know the length of 14 the TVT-O device? 15 A. So the TVT-O, not the Abbrevio, would be a 16 similar length, in my opinion, because it also 17 comes all the way out through the groin incisions, 18 but, again, I don't know the full length. 19 Q. Do you know the length of the TVT 20 Abbrevio? 21 A. The TVT Abbrevio is shorter, and I would 22 have to look at that as well. The number -- it's 23 somewhere around -- 10 centimeters is the number 24 in my brain. It might be a little bit more or a 25 little bit less than that.</p>
<p style="text-align: right;">Page 79</p> <p>1 like -- I like the in to out. I like the 2 dissection doesn't have to be as big. You don't 3 have to get your finger in to feel it coming 4 through, and I feel it's a very good option. 5 Q. Do you agree the Abbrevio is a mini sling? 6 A. I think that the Abbrevio is a shorter 7 sling. I would not categorize it as a mini sling. 8 I think it's different than the mini slings. 9 Q. Have you ever authored an article that 10 referred to the Abbrevio as a mini sling? 11 A. I've authored -- I've been a coauthor on 12 a manuscript that looked at the TVT-O Abbrevio. I 13 don't recall if it was mentioned as a mini sling 14 in that manuscript. It may be. I think that it 15 depends on how you define mini sling. 16 And you know, it's not the full length 17 sling that is cut at the skin after implantation. 18 It's shorter than that. But it's not -- you know, 19 it doesn't have a pledget or something on the end 20 that you're sticking into a membrane or something 21 to hold it in place because, you know, like the 22 Contrasure or the TVT securities are the kind of, 23 you know, traditional, more -- I think what I 24 would refer to more commonly as a mini sling. 25 It's -- I think the mesh goes through the</p>	<p style="text-align: right;">Page 81</p> <p>1 Q. It's 12. I'll represent to you that it's 2 12. 3 Since you've left -- strike that. I need 4 to lay a foundation. 5 During your fellowship, did you perform 6 any Burch procedures? 7 A. Yes. 8 Q. How prevalent was your Burch procedure 9 implant use during your fellowship? 10 A. It was not -- it was not uncommon. We 11 probably did about as many Burches as I did 12 pubovaginal slings. The midurethral sling was 13 still the mainstay, but I did some pubovaginal as 14 well as some Burches. I don't recall the number 15 offhand. 16 Q. Roughly, what percentage -- strike that. 17 Before we get there, did you perform MMK 18 during your fellowship? 19 A. So MMK is different than Burches 20 essentially in where you place the sutures at the 21 pubic symphysis. So there is a some data that MMK 22 have higher risk as far as osteitis pubis because 23 you're putting the needle into the periosteum. 24 The Burch, you go a little bit more 25 laterally and put it into Cooper's ligaments. So</p>

<p style="text-align: right;">Page 82</p> <p>1 could I do an MMK? I'm certain that I could, but 2 I would choose to do a Burch over that. 3 Q. Have you ever done an MMK? 4 A. I have not. I've seen them done. I have 5 not done them, but the technique would not be 6 different. You're still in the same place. It's 7 just where you place your suture. 8 Q. And during your fellowship, did you use 9 bulking agents? 10 A. Yes. 11 Q. And how -- is that something that you did 12 often? 13 A. I did them more frequently in fellowship 14 than I do now. 15 Q. All right. I'm going to ask you by 16 percentage if you can answer this for me, okay? 17 By percentage, if we look at midurethral 18 slings -- let me strike that. 19 I'm going to ask you some questions about 20 your fellowship, during your fellowship time 21 period, the surgical treatment for stress urinary 22 incontinence, okay? 23 A. Okay. 24 Q. Okay. And I'm going to ask about 25 midurethral slings, Burch, pubovaginal sling, MMK</p>	<p style="text-align: right;">Page 84</p> <p>1 probably periurethral bulking would be my guess. 2 Probably somewhere around 5 percent. I know my 3 numbers aren't going to add up. And then Burches 4 and pubovaginal slings would have been less 5 common, and I don't -- I don't know a percentage 6 for those. They would have been a little less 7 common than bulking, so maybe, you know, 3 percent 8 each or something like that, but that doesn't add 9 up to a hundred. 10 Q. It's okay. It's close enough. It 11 describes it well enough for the purpose of my 12 question. 13 Now I want to ask you the same questions 14 in your university practice since you left your 15 fellowship. 16 A. So in the systematic review that was just 17 published, we did include periurethral bulking as 18 part of that. The periurethral bulking did not 19 have very favorable outcomes. I don't do a whole 20 lot of bulking. Bulking is thought to be more 21 transient, and there are complications associated 22 with it. So I do offer bulking, but I don't 23 perform it very often, and that's by choice. 24 The -- you know, I probably still -- I 25 don't know. Probably -- I'd say I'm probably</p>
<p style="text-align: right;">Page 83</p> <p>1 and bulking agents. If you could describe by 2 percentage -- 3 A. How many? 4 Q. -- how many. 5 A. So the thing with percentages is it's 6 proportion, right, so I think, to set the 7 foundation for this discussion, it's important to 8 state that I trained at a high volume center. As 9 far as urogynecology goes, I feel very fortunate 10 to have trained at premier institutions, Cleveland 11 Clinic and then Brown. At the time, most people 12 considered those to be one and/or two as far as 13 the best training facilities for what I do in the 14 country. 15 Number of cases per year, I don't 16 remember, but I did have to keep a case log as 17 part of being a trainee. We did a lot of slings. 18 I probably -- I probably -- you know, out of 19 everything, it was probably maybe 85 percent sling 20 would be my guess, and this is midurethral sling. 21 And I'm not differentiating between transobturator 22 versus retropubic. That would be hard for me to 23 do, and it would probably be a 50/50 breakdown 24 there, but I would have to think about that. 25 As far as the next most common option,</p>	<p style="text-align: right;">Page 85</p> <p>1 still 85 percent sling would be my guess. I'm 2 probably 10 percent Burch, and I'm probably, you 3 know, 5 percent pubovaginal sling or maybe a 4 little less than that. 5 Q. In your personal experience in your 6 hands, since you've been in university practice, 7 how do they compare? 8 A. In general, my patients do very well. I 9 think that there are different indications for 10 different patients. The climate that we are in, I 11 will often see patients who don't want mesh. 12 And -- you're from Florida? 13 Q. Yes, sir. Panhandle, Pensacola. 14 A. So New Mexico, just patient-wise, is kind 15 of like Vermont, New Hampshire or Oregon. It's 16 just a little more granola kind of like. You 17 know, naturopathic kind of stuff happens a lot 18 here. So some is patients come in, and they 19 simply don't want mesh, and so, for them, I offer 20 a pubovaginal sling or a Burch. 21 For patients who have had mesh before and 22 had problems with mesh or have a family member who 23 had problems with mesh, they also don't want mesh, 24 and I would offer them a Burch as well. But, 25 again, you know, the predominant thing that I do</p>

<p style="text-align: right;">Page 86</p> <p>1 is midurethral sling. Having used different 2 brands, you know, again, I'm not married to a 3 brand. It's really more the placement of the 4 device that I think is helpful, if that makes 5 sense.</p> <p>6 Q. Sure. You mentioned that your patients 7 do very well with all the procedures. Strike that.</p> <p>8 You don't like bulking agents, but as far 9 as the midurethral sling versus Burch or 10 pubovaginal sling, they do very well?</p> <p>11 A. So as a general rule, yes. I mean, that 12 is not to say I don't have complications. 13 Everybody does, and not every patient is 14 completely cured. I wish they were, but that's 15 not the reality of life for medicine.</p> <p>16 But in general, yes, patients do well.</p> <p>17 Q. Do you agree the risk profiles are 18 different for synthetic midurethral slings as 19 compared to Burch or pubovaginal slings?</p> <p>20 A. Yeah. I think that the literature 21 supports that.</p> <p>22 Q. And does your personal experience support 23 that also?</p> <p>24 A. Unfortunately there are no surgeries that 25 do not have risks, and so it's just a matter of</p>	<p style="text-align: right;">Page 88</p> <p>1 BY MR. BRADFORD:</p> <p>2 Q. Sorry. Let me finish my question. We've 3 done so well with this. It's okay. We're doing 4 just fine.</p> <p>5 When you say they would fashion it 6 themselves, what do you mean by that?</p> <p>7 A. They would take a sheet of mesh and cut a 8 portion, and then I don't know if they were using 9 a staining needle, and I don't know because I 10 didn't do it with them. They were, you know, a 11 provider in the community, and they were -- I 12 don't know if it was top down or bottom up, but 13 they -- the mesh was placed in a way that caused 14 problems for patients.</p> <p>15 Q. Did that just happen to occur in the 16 geography or geographical area close to where you 17 were doing your fellowship?</p> <p>18 A. It did for the first two years, and then 19 that provider moved, and the complications 20 stopped.</p> <p>21 Q. Okay. During your fellowship, did you 22 have the occasion to remove totally or partially 23 midurethral slings from one of the sling kits?</p> <p>24 A. Yes.</p> <p>25 Q. Okay. And how often did you do that?</p>
<p style="text-align: right;">Page 87</p> <p>1 which risks you're assuming with different 2 procedures.</p> <p>3 Q. Have you ever done a partial or total 4 mesh removal?</p> <p>5 A. I have.</p> <p>6 Q. Okay. I want to talk to you about your 7 experience with removing synthetic meshes. When 8 did you first do that?</p> <p>9 A. So when I was a medical student, I saw a 10 mesh removed. I don't remember the brand. At the 11 time, it was a transvaginal mesh. I saw a few of 12 those. As a resident, I saw mesh removed as well 13 and as a fellow.</p> <p>14 As a fellow, we did a decent amount of 15 mesh removal mostly referred in from other 16 providers that were fashioning their own mesh. 17 They weren't using a particular product, and they 18 were placing it incorrectly, and it led to 19 problems for patients, and so we would take it 20 out.</p> <p>21 Q. So that would not be the midurethral 22 slings we've been talking about today; that would 23 be a --</p> <p>24 A. A self --</p> <p>25 MR. KOOPMANN: Hold on.</p>	<p style="text-align: right;">Page 89</p> <p>1 A. As a referral center, you know, we would 2 get cases from all over the region. How often did 3 I do them? I don't know. It was not -- I did it 4 enough that I was very comfortable with it, but I 5 don't know a percentage.</p> <p>6 Q. Not speaking to the one particular doctor 7 who apparently there was a problem with, more the 8 traditional mesh kits, do you have an estimate as 9 to many total or partial revisions you would have 10 done as a fellow?</p> <p>11 MR. KOOPMANN: Objection to form.</p> <p>12 A. I don't recall. It was -- again, it 13 was -- it was -- it was not -- I don't know the 14 number. I don't actually remember. It was not -- 15 I would -- how many would I have done in all of my 16 training?</p> <p>17 And we're just talking midurethral sling, 18 or we're talking any mesh type?</p> <p>19 BY MR. BRADFORD:</p> <p>20 Q. Well, that's actually a good point. 21 Let's broaden it out to the POP kits also.</p> <p>22 A. So any, probably, as a fellow, I would 23 probably do one a month would be my guess. So in 24 three years, probably somewhere in the range of 25 40, something like that.</p>

<p style="text-align: right;">Page 90</p> <p>1 Q. Sure. And that's my next question. I 2 was going to see if we could talk briefly about 3 that, if there would be a way to do it. 4 Same question for your time in university 5 practice. Do you do total or partial synthetic 6 mesh removal? 7 A. It depends on the patient and what type 8 of mesh they have and what's going on with the 9 patient. 10 At the university practice, we are the 11 referral center for the region, so we get patients 12 from New Mexico, parts of Arizona, parts of Texas, 13 you know, surrounding states. You know, patients 14 will often travel four or five hours one way to 15 come in. 16 Because of that, I think that there may 17 be -- well, I know there are people that are doing 18 things perhaps they don't do very often or perhaps 19 shouldn't do, and so I do get referrals from mesh 20 issues and mesh complications, both of the 21 transvaginal mesh as well as the sacrocolpopexy 22 mesh as well as the midurethral sling mesh. 23 Going in to take those out, it often 24 seems apparent to me that the mesh was not placed 25 correctly. If I remove mesh and it's in front of</p>	<p style="text-align: right;">Page 92</p> <p>1 you do on average monthly? 2 A. I would say I probably average one a 3 month. And the midurethral sling removals, those 4 kind of blend together because they're fairly 5 straightforward and simple. 6 If I'm taking out mesh because someone 7 dissected and placed it in the bladder, those tend 8 to be much more memorable. Or if they dissected 9 through and the whole mesh is coming through the 10 vagina, those are also memorable. But I would 11 say, on average, about once a month. 12 For the midurethral sling removal, I 13 would start with a vaginal incision and would take 14 the mesh out vaginally. If it was a 15 transobturator sling, the Savada who practiced and 16 practices at the Cleveland Clinic published, you 17 know, back in like 2001 or '3, somewhere back 18 there, that you can often just take the mesh and 19 roll it around a clamp, and you can bring it back 20 through the obturator space. I have done that 21 successfully. 22 Retropubically, if patients want all the 23 mesh out and allow for a laparoscopic procedure 24 similar to laparoscopic Burches that I do, you can 25 make an incision through the perineum, which are</p>
<p style="text-align: right;">Page 91</p> <p>1 the pubic ramus, that's not where it's supposed to 2 be, so it does not surprise me that the patient 3 would be having pain or issues. 4 From within my own practice, it is a rare 5 occurrence to have problems with the slings. That 6 is not to say that I always place them correctly 7 or that my partners do. On occasion, I've had to 8 go back and release a sling. 9 You asked about removing mesh in its 10 entirety versus partially. I think it depends on 11 what's going on with the patient. For patients 12 that are having pain issues from mesh, I tend to 13 try to remove as much as I possibly can. For 14 patients that are having obstructive voiding 15 issues or other things like that, there is data to 16 suggest that potentially only taking out a small 17 portion and not all of it may actually lead to 18 better continence down the line. 19 That said, I discuss the options with the 20 patient, and I give them the option of me removing 21 as much mesh as possible versus taking out a 22 portion of. I don't know if you want me to 23 expound on how I do that or -- 24 Q. Sure. Well, before you do, monthly, how 25 many partial or total mesh removal surgeries do</p>	<p style="text-align: right;">Page 93</p> <p>1 laparoscopic, release the bladder down from the 2 retropubic space, and you can take the mesh out 3 from the retropubic space. 4 Q. Dr. Jeppson, do you also in your 5 university practice treat stress urinary 6 incontinence -- patients with stress urinary 7 incontinence nonsurgically? 8 A. Of course. 9 Q. And what -- since you've been in the 10 university practice, what nonsurgical options do 11 you offer? 12 A. So I offer patients everything for -- 13 anything that's been published that has data I 14 would offer patients, so Kegel exercise. There's 15 over-the-counter Impressa which is made by Poise. 16 It's like a tampon made specifically for stress 17 incontinence. There's different pessaries that 18 can be used. Pelvic floor physical therapy, we 19 have therapists that work with us. Those are the 20 things that come to mind. 21 Q. How do your patients generally do with 22 the nonsurgical stress urinary incontinence 23 treatments? 24 A. I would say that my experience is similar 25 to the published data. It depends on the severity</p>

<p style="text-align: right;">Page 94</p> <p>1 of symptoms and what's going on with the patient. 2 It also depends on the timing of the complaint. 3 If a patient has just had a baby and they 4 have stress incontinence, it's probably going to 5 improve over the course of the next six months to 6 a year. There's data that physical therapy would 7 help that, but, you know, those will get better. 8 In general, stress incontinence will get 9 worse with age, and so, you know, a lot of 10 patients, as I've discussed, prefer holistic or 11 nonsurgical options, and so they will come in -- 12 and I can't say that all, but I'd say the majority 13 of patients would prefer a nonsurgical treatment 14 to start, so I offer those, and they try that. 15 When those fail or if they aren't as 16 successful as the patient would like, then they 17 come back, and we discuss additional options. 18 Q. What percentage of your patients if 19 offered nonsurgical options end up satisfied 20 enough to not make it forward to have surgery? 21 A. That's a good question. I would -- I 22 would -- I think my gestalt is probably 60 percent 23 of patients that come in elect for a nonsurgical 24 to start. Probably 40 percent or so would go 25 straight for surgery, but many of those will have</p>	<p style="text-align: right;">Page 96</p> <p>1 risks that I would discuss with patients, I think, 2 you know, is more or less unchanged. 3 Q. As part of your informed consent for 4 patients who are considering midurethral slings, 5 do you discuss with them the mesh-related risks of 6 the procedure? 7 A. I do tell them that it is a mesh 8 procedure, and I do tell them there are risks 9 associated with mesh. 10 Q. And what risks do you tell your patients 11 are associated with mesh when you're doing an 12 informed content for a midurethral sling? 13 A. So in general, the risks associated with 14 mesh -- I mean, there are risks with any surgery, 15 right? So typically, when I'm counseling, I'm 16 offering them mesh versus non-mesh, and so often I 17 will lump the initial counseling because there's 18 risk of bleeding. There's risk of infection, you 19 know, all those things that are common to surgery 20 in general. Those would go along with the 21 pubovaginal sling and the Burch as well and 22 recurrent UTIs, voiding dysfunction. I mean, 23 those are kind of across the board. 24 Specific to mesh, there are risks of 25 mesh, risks of, you know, obstructive voiding</p>
<p style="text-align: right;">Page 95</p> <p>1 already tried nonsurgical options by their 2 referring providers. 3 Of those that choose nonsurgical options, 4 I don't know. Again, it depends on the patient 5 and, you know, what their goals are, and if 6 they're, you know, trying to get back to running 7 marathons or back to cross-fit, they're much more 8 motivated than if they, you know, want to be able 9 to jump on the trampoline, you know, once a year 10 with their grand kid. So I don't know. Maybe 20 11 percent, 40 percent would perhaps not move on. 12 That be would my guess over the course of their 13 life. 14 Q. Has your informed consent for midurethral 15 slings changed over time from when you first 16 started doing them as a fellow to now? 17 A. That -- I don't think so. The FDA 18 notices came out in 2008 and 2011, both of which I 19 was in training for. You know, I discuss options 20 with patients. You know, they include non-mesh as 21 well as mesh. I don't think it's changed a whole 22 lot. 23 The conversation has perhaps become more 24 involved as patients have become more aware. I 25 think that has probably occurred, but I think the</p>	<p style="text-align: right;">Page 97</p> <p>1 patterns. There's risks of the procedure not 2 working. They could still leak. There's risks of 3 developing pain or dyspareunia, you know, pain 4 with intercourse. There are risks of mesh 5 exposure or erosion. There are risks of mesh 6 getting into structures that it shouldn't be in, 7 the vagina or the bladder, and then very rare 8 risks, you know. But, you know, ureteral injuries 9 have been reported. You know, large vessel 10 injuries have been reported. Those are very 11 uncommon. 12 Q. You've not experienced any of those with 13 your patients, I wouldn't expect, the ureteral or 14 a major blood vessel injury? 15 A. I have not. 16 Q. I just want to be clear. You mentioned 17 pain and dyspareunia. Are those separate 18 mesh-related risks that you mention to your 19 patients? 20 A. They can be separate. Some patients only 21 have pain with intercourse, and if they have an 22 erosion or exposure, sometimes their partner will 23 report, you know, discomfort during intercourse, 24 but some patients will just have pain at baseline. 25 But, again, that's true after any</p>

<p style="text-align: right;">Page 98</p> <p>1 surgery, and that occurs after, you know, vaginal 2 prolapse or vaginal hysterectomy cases as well. 3 Q. Certainly there can be pain from any 4 surgery, but would you agree that there can be 5 pain associated with mesh implantation? 6 A. I would agree with that, just like with 7 any surgery. 8 Q. Well, I'm asking a little different 9 question. I'm not talking about a general surgery 10 risk of pain. I'm talking about a risk specific 11 to mesh. 12 A. There is a risk specific to mesh, and 13 that's in the published literature as well. 14 Again, just like with other procedures, there is 15 surgery-specific risks. 16 Q. This is an important issue, so I want to 17 be sure we're not going in a circle here. 18 There's a surgery -- general surgery risk 19 of pain with surgeries, correct? 20 A. Uh-huh. 21 Q. And with mesh itself, in addition to the 22 general surgery risk of pain, there's also the 23 risk of mesh-related pain; isn't there? 24 MR. KOOPMANN: Objection. Go ahead. 25 A. So I mean, there is, right. Any time you</p>	<p style="text-align: right;">Page 100</p> <p>1 think that, if you look at the published 2 literature, most issues of complications related 3 to mesh occur within -- most of them will occur 4 within a short time frame after surgery. 5 Certainly there is a risk. As long as 6 there's an implant, there could be issues with 7 that, and again, that is not specific to mesh. 8 That is true for any implant. 9 But, yes, the device is meant to be 10 implanted, and it's meant to be a permanent 11 implant. So as long as the implant is there, 12 there could be issues with it. 13 Q. You would agree, with the Burch 14 procedure, there is no permanently implanted 15 device? 16 A. So I would not agree with that. What I 17 would say, with the Burch procedure, people place 18 permanent sutures. I personally use Prolene. 19 Other people I know use Gor-TEX and things like 20 that. It's the -- the amount of material is less, 21 and how it's placed and where it's placed is 22 different, but if you were to place a dissolvable 23 or absorbable suture, you're not performing a 24 Burch or an MMK. 25 And I was in a national meeting maybe</p>
<p style="text-align: right;">Page 99</p> <p>1 implant -- any time you use an implant, there is a 2 risk of pain, and that's true for, you know, any 3 implant. You know, again, I think that -- what I 4 would say is, you know, Burches and pubovaginal 5 slings also carry risks, right, so when I'm 6 counseling the patient or discussing these risks 7 with a patient, it's not like, you know, you can 8 have mesh which has pain, or you can have this 9 other surgery that has no risks with pain. 10 There are risks associated with any 11 surgery. So if you're asking, is there a risk 12 specific to surgery, the answer is yes, we've 13 discussed. Is there a risk associated with mesh 14 in particular? Yes, there is a risk of that. 15 BY MR. BRADFORD: 16 Q. You would agree that the synthetic 17 midurethral slings are designed to be permanent 18 implants? 19 A. I would agree with that, yes. 20 Q. And would you agree that patients who are 21 implanted with midurethral slings such as the TVT, 22 TVT-O or Abbrevio carry a lifelong risk of 23 dyspareunia? 24 A. I think that women in general have a risk 25 of dyspareunia just by gender unfortunately. I</p>	<p style="text-align: right;">Page 101</p> <p>1 four years ago, and one of the presenters got up 2 and presented about a Burch. And a woman from 3 England got up and kind of chastised him for not 4 doing, you know, two sutures on either side. They 5 were permanent. They were meant to stay in place. 6 So I don't know that I would agree that there's 7 not something permanent placed. 8 Q. But it would be a sutures as opposed to a 9 piece of woven synthetic mesh? 10 MR. KOOPMANN: Objection. 11 A. It is a suture instead of a mesh, and 12 that is inherently different between the 13 procedures. 14 BY MR. BRADFORD: 15 Q. Would you agree that the complications 16 potentially associated with the failure of a mesh 17 device necessitating removal are potentially 18 greater than when a suture has to be removed in a 19 non-mesh surgery such as Burch or a pubovaginal 20 sling? 21 A. I don't know that I would agree with 22 that. I think the risks are internally different. 23 I wouldn't say that they are necessarily greater. 24 Burches have a higher risk of bowel injury if 25 you're doing them laparoscopically. If you're</p>

<p style="text-align: right;">Page 102</p> <p>1 doing them open, then patients tend to have more 2 pain, and there are other risks separating the 3 muscle from the pubic bone. You know, things 4 that -- they have a higher risk of infection. 5 So I don't know that -- and I've also -- 6 I've also seen sutures in the bladder from MMKs 7 and Burches where the knot is placed too low, and 8 over time it's eroded into the bladder, and the 9 patient comes in with voiding dysfunction issues. 10 You go in and find they have a stone stuck to a 11 stitch that's in the bladder that needs to be 12 removed. So the risk profiles are different. 13 Q. Would you agree that it's easier to 14 remove a suture than a woven synthetic mesh? 15 MR. KOOPMANN: Objection. 16 A. I think that any time you discuss 17 surgery, the ability to perform a surgery is based 18 on training and ability and experience. I would 19 not say the removing of a midurethral sling is a 20 terribly difficult or challenging case. I think 21 that going into the retropubic space to take out a 22 stitch would probably take me longer than to take 23 out a midurethral sling. 24 And certainly, if all you're doing is 25 going in and releasing a portion of the sling,</p>	<p style="text-align: right;">Page 104</p> <p>1 A. I would agree that that is an important 2 factor, yes. 3 Q. Would you agree that the treatability of 4 certain risks should it occur is an important 5 factor? 6 A. I think the ability to treat an issue, 7 yes, is important. 8 Q. Do you agree that the severity of the 9 potential risk should it occur is an important 10 factor? 11 A. Yes, I would agree with that. 12 Q. And would you agree that the potential 13 permanency of a risk should it occur is an 14 important factor? 15 A. I mean, you know, I think that all of 16 these things -- yes, I mean, I would agree. You 17 know, you have to take all of these different 18 things into account, but the thing that I think is 19 important to realize is that these are often 20 conflicting issues, right? 21 Like, sometimes the permanency versus the 22 severity are not necessarily the same thing. And 23 you know, I fortunately never had a patient who's 24 gotten a bowel injury and ended up with an ostomy, 25 at least not since I was a trainee. It's a</p>
<p style="text-align: right;">Page 103</p> <p>1 that would be a very quick surgery. And again, 2 you'd avoid the abdominal cavity. And that's not 3 to say that I don't think that Burches or 4 pubovaginal slings should be done. You know, I 5 think they should, but, again, there is no 6 procedure in medicine that is risk-free. There 7 just isn't. I wish there were. 8 BY MR. BRADFORD: 9 Q. You would agree that certain procedures 10 carry more risks than others? 11 A. I would agree that certain procedures 12 carry different risks than others, right. And so, 13 if you were to look at one risk, you know, this 14 versus that, well, yes, one will have more. But 15 if you're looking at this or this or this or this 16 or this versus that or that or that or that, you 17 have to take into account the combination of 18 potential risks. 19 And you know, I would -- would I want 20 voiding dysfunction as opposed to a bowel injury? 21 Like, I don't know. I don't really want either, 22 right, but different procedures have different 23 associated risks. 24 Q. Do you agree that the frequency of the 25 risks is an important factor?</p>	<p style="text-align: right;">Page 105</p> <p>1 terrible outcome. I hope I never have that, 2 right? And so, you know, again, I think, as a 3 surgeon, as a physician, there are certain risks 4 that I assume and that I help patients understand 5 there are risks of when making decisions, but 6 those are things that are taken into 7 consideration, yes. 8 Q. Do you agree that if a company such as 9 Ethicon has knowledge of the frequency of a risk 10 that it had should relay that information to 11 doctors to whom it is selling -- 12 MR. KOOPMANN: Objection. 13 BY MR. BRADFORD: 14 Q. -- the device? 15 A. I don't think so personally. You know, 16 again, as we discussed when we were going through 17 the materials form or whatever the form is called, 18 right, there's information that is necessary for a 19 company to operate. 20 As a physician, what I base my opinions 21 on and the information that I use is based on 22 what's in published literature primarily. So, you 23 know, I think that ethically, you know, if a 24 company is trying to sell something that's harmful 25 or not good, I think that's ethically wrong, but I</p>

<p style="text-align: right;">Page 106</p> <p>1 don't know that it's up to the -- the company to 2 contact every physician and tell them every 3 possible thing that could go wrong. 4 Based on how medicine is practiced in the 5 United States, at least based on my understanding, 6 there is the learned intermediary, which is that, 7 as physicians, we have the obligation to learn and 8 understand what we're using to treat patients. 9 And so I think that part of my training, that the 10 onus is on me to learn and know what I'm doing. 11 Q. You work in a university setting, 12 correct? 13 A. That is correct. 14 Q. You're certainly aware there are other 15 physicians who implant midurethral slings that do 16 not work in university settings? 17 A. Certainly. 18 Q. And there are people who don't have 19 clinic a couple of days a week, that they have a 20 clinic or in the operating room every day a week 21 because they have a patient-driven practice as 22 opposed to a university setting, correct? 23 A. Certainly, yes. 24 Q. And you would agree that you have more 25 time based upon the nature of you being a</p>	<p style="text-align: right;">Page 108</p> <p>1 Residents ask me things. Fellows ask me things. 2 And it kind of makes you think. 3 BY MR. BRADFORD: 4 Q. Do you think companies have an obligation 5 to advise physicians to whom it is selling its 6 devices about the risks of the device? 7 A. I think that companies should be 8 compliant with whatever the federal mandates are. 9 And if there are -- you know, the FDA is in place 10 for a reason, and if -- if government agencies 11 have things in place, I think that companies 12 should be compliant with said regulations. 13 That said, when we have representatives 14 from different companies come out and talk to us, 15 which they do, I always take that with a grain of 16 salt because I want to get my information from the 17 medical literature based on the studies. You 18 know, I don't -- so, again, I guess I don't think 19 that it's up to the company to provide me all the 20 information. I think that's up to me. 21 Q. So just so we're clear, it's your opinion 22 that medical device companies do not have an 23 obligation to provide the risks of its products to 24 the doctors to whom it is selling them? 25 A. I think that medical device companies</p>
<p style="text-align: right;">Page 107</p> <p>1 professor, and the nature of your practice to 2 review literature as opposed to these in the 3 trenches doctors? 4 MR. KOOPMANN: Objection. 5 A. I would disagree with that. I would 6 think I have 24 hours a day just like anyone else. 7 I think that, if I chose to go into private 8 practice and I chose to see patients five days a 9 week for ten hours a day or 12 hours a day, that 10 would be my choice. 11 My obligation to my patients is still to 12 provide them excellent care. So, you know, how I 13 choose to divide up my day is up to me to a 14 certain extent, but, again, I don't think that 15 the -- I don't think that it's up to Ethicon or 16 Boston Scientific or, you know, any of the drug 17 like companies. I think it's up to physicians to 18 know what we do. That is why I went to medical 19 school, and that's why I have a medical license, 20 and that's why I do my maintenance and 21 certification every year to keep up on these 22 things. 23 And then, being in academic practice, 24 there are benefits to keeping up on the 25 literature, sure. Students ask me stuff.</p>	<p style="text-align: right;">Page 109</p> <p>1 have an obligation to be compliant with the 2 mandates set forth by the government in the 3 country in which they operate. In the United 4 States, I think that, you know, if the U.S. 5 Government were to set up a mandate or a 6 requirement that companies inform and educate 7 providers, then they should be compliant with 8 that. 9 If that is not the expectation of the 10 regulators, then I think that the companies should 11 be compliant with what they think is right, and of 12 course, being ethical, but, again, I don't go to a 13 company and say, I'm going to use your drug. 14 Provide me all the information on it. I go to the 15 lexicon, or I go to another source to find my 16 information. I am not relying upon them telling 17 me. That's why I went to medical school. That's 18 why I went to residency. That's why I did 19 fellowship. 20 Q. Dr. Jeppson, you mentioned ethics a 21 couple of times in this deposition. Do you think 22 it is ethical for a company to not disclose risks 23 to physicians of a product or medical device that 24 it knows about? 25 MR. KOOPMANN: Objection.</p>

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<p>1 A. So -- so, again, you know, I think 2 that -- I think that a company, you know, 3 should -- should provide information that's -- 4 that's pertinent, but, you know, I don't think 5 it's possible for a company to provide all 6 possible outcomes to a surgeon. 7 So, you know, things that would be 8 reasonably associated and not commonly known, that 9 would make sense to me, right? So you have -- you 10 know, in medical school, as I discussed before 11 with the Burch and pubovaginal sling, you have 12 risks of bleeding. You have risks of infection. 13 Those are commonly known complications. 14 I don't need Ethicon or anyone to tell me that 15 those things can happen with surgery. You know, 16 rare things like, you know, fistula and other 17 things that happen very, very infrequently, I also 18 know about. 19 I think that -- you know, again, I think 20 that -- I think that companies should be compliant 21 with regulations. 22 BY MR. BRADFORD: 23 Q. Do you hold yourself out to be an expert 24 in FDA regulations? 25 A. So what I would say is I -- as a</p>	<p>1 think that I could actually. Have I done that? 2 I've chosen not to. 3 Q. Kind of bringing us back. So if Ethicon 4 has knowledge of the frequency of mesh-related 5 risks, it's your opinion that it has no obligation 6 to disclose that knowledge to doctors? 7 A. I think that they have an obligation to 8 divulge that information to -- to the entities 9 that govern them. So if you want to sell 10 products, I think that you should demonstrate 11 the -- they have efficacy and that they are able 12 to be -- that they should be used. 13 But, again, I don't think that they have 14 an obligation to go to every physician in the 15 country who may or may not use their product and 16 educate them. 17 Q. Well, couldn't they do that simply by 18 putting it in the IFU? 19 A. So, again, in my opinion -- and this is 20 substantiated by the medical literature -- most 21 providers don't read the IFU. And, you know, when 22 I was in training in Cleveland and in fellowship, 23 actually I was told that, if you're going to use a 24 device, you should read the IFU so that you know 25 what's there, but I will tell you that most people</p>
Page 111	Page 113
<p>1 urogynecologist, as a practicing surgeon and 2 physician, I understand the pelvis. I know -- I 3 have a very, very sound understanding of anatomy. 4 And so, you know, as far as devices that are 5 placed in the pelvis, I feel like I understand 6 where they go and what they should do if I'm going 7 to use them. 8 Am I -- am a regulator? I am not. I 9 don't work for the -- actually I do think I work 10 for the Federal Government, for the university, 11 but I am not a regulatory body of the FDA to -- to 12 ensure compliance. 13 Q. Have you ever written an IFU for a 14 product? 15 A. I have not written an IFU for a product. 16 Q. Have you ever designed a medical device? 17 A. I've had discussions with people about 18 medical devices. That's not what I choose to do 19 with my career. 20 Q. So you have not designed a medical 21 device? 22 A. I have placed mesh in the pelvis. I've 23 done freehand mesh. I've done these types of 24 things for very similar products that are 25 available on the market. Could I develop one? I</p>	<p>1 don't. 2 And so, you know, again, I think that 3 most physicians get their experience through 4 training, hopefully. That would be the ideal. As 5 a trainee, for things that develop after you're 6 done with training, it's up to the physician to 7 learn and augment their skill set. So if that 8 means going and shadowing someone else or doing 9 something, I think that then you need to do that. 10 Again, I don't think that -- I would not 11 seek my medical knowledge from a medical 12 corporation. I would seek my knowledge from the 13 literature and from other providers. 14 Q. Could -- strike that. 15 You would agree that Ethicon has sales 16 representatives; I think you mentioned that 17 earlier, correct? 18 A. I believe that all companies have sales 19 representatives. 20 Q. And they call on physicians such as 21 yourself from time to time? 22 A. Yes. 23 Q. And they provide information and data to 24 physicians such as yourself from time to time? 25 A. From time to time, yes.</p>

<p style="text-align: right;">Page 114</p> <p>1 Q. And certainly, you would agree that</p> <p>2 Ethicon could put a card within each synthetic</p> <p>3 mesh device that lists the frequency information</p> <p>4 it knows; couldn't it?</p> <p>5 A. So, you know, again, getting back to --</p> <p>6 you know, I've performed systematic reviews. I've</p> <p>7 done systematic reviews looking specifically at</p> <p>8 adverse events. If you were to take a snapshot of</p> <p>9 the medical literature at any given time and then</p> <p>10 redo that six months later, you will find that</p> <p>11 there's a shift based on what has been published,</p> <p>12 right?</p> <p>13 There are -- also, it's impossible, in my</p> <p>14 opinion, to tell a given provider or physician</p> <p>15 what their complication rates may or may not be.</p> <p>16 As we have discussed, I know that there are</p> <p>17 providers in communities where I've lived that</p> <p>18 have much higher complication rates than I do. So</p> <p>19 if I were to look at a card in an IFU and it tells</p> <p>20 me that the complication rate is 2 percent, and I</p> <p>21 look at my own patient population and I have a</p> <p>22 complication rate of 90 percent because I'm a</p> <p>23 terrible surgeon, the card is not accurate, right?</p> <p>24 Conversely, if as a good, trained</p> <p>25 physician, if I know what I'm doing and I'm doing</p>	<p style="text-align: right;">Page 116</p> <p>1 around and educate every physician in the world</p> <p>2 that they have a terrible product? Probably not.</p> <p>3 I think they withdraw it from the market.</p> <p>4 If there's data to support they have a good</p> <p>5 product that also has some associated</p> <p>6 complications or harms, well, then it's up to the</p> <p>7 physician to weigh the risks and benefits.</p> <p>8 And again, this is not specific to mesh</p> <p>9 litigation. This is true across the board for</p> <p>10 heart surgery or for neural implants or anything.</p> <p>11 I mean, there are no surgical procedures that do</p> <p>12 not carry risks.</p> <p>13 (Whereupon, a brief recess is taken from</p> <p>14 12:04 p.m. to 12:17 p.m.)</p> <p>15 BY MR. BRADFORD:</p> <p>16 Q. Thank you, Doctor. Back after a quick</p> <p>17 break.</p> <p>18 There are terms that we hear a lot in</p> <p>19 this case. It's erosion, extrusion and exposure.</p> <p>20 Do you use those interchangeably or do</p> <p>21 they have different meaning to you?</p> <p>22 A. I think that, in general, for most</p> <p>23 practitioners, they are interchangeable. If you</p> <p>24 look at the medical literature, they do tend to</p> <p>25 have more specific meaning, but the meaning is</p>
<p style="text-align: right;">Page 115</p> <p>1 things that I know how to do and something says it</p> <p>2 has a complication rate of 10 percent, maybe my</p> <p>3 complication rate is 2 or 3 percent.</p> <p>4 So I don't think that -- again, I do not</p> <p>5 believe the onus is on a company to provide all</p> <p>6 rates of all possible outcomes be they good or bad</p> <p>7 to physicians. I think it's up to the physician</p> <p>8 to look at the literature and know what they're</p> <p>9 doing. And if a surgeon can't do that, they</p> <p>10 probably shouldn't be doing the procedure.</p> <p>11 Q. So instead of the company telling</p> <p>12 surgeons what it knows, the surgeon should do</p> <p>13 additional homework to figure that out even though</p> <p>14 the company already knows it; is that your</p> <p>15 testimony?</p> <p>16 A. I don't think that's what I'm saying.</p> <p>17 What I'm saying is that it's not up to the company</p> <p>18 to compile all that information and divulge all</p> <p>19 that information. I think that a -- again, I</p> <p>20 think that there are inherent differences between</p> <p>21 what a company has an obligation to and what a</p> <p>22 provider has obligation to.</p> <p>23 And so, again, you know, should a</p> <p>24 company, if they have a product that's causing</p> <p>25 harm, should they recall it? Yes. Should they go</p>	<p style="text-align: right;">Page 117</p> <p>1 defined by the particulars studies. So if you</p> <p>2 were to tell me exposure versus erosion versus</p> <p>3 extrusion, I would probably think you're talking</p> <p>4 about the same thing. In the literature, some</p> <p>5 people say exposure if it's a parent right after</p> <p>6 surgery, whereas erosion might be if it occurs at</p> <p>7 a later time, but I think most practitioners use</p> <p>8 them the same.</p> <p>9 Q. Okay. I'm going to ask you a couple of</p> <p>10 questions and the only reason I ask that is</p> <p>11 because I'm going to ask you some questions about</p> <p>12 erosion, and I don't want to give you a</p> <p>13 hypothetical. I just want to make sure we're</p> <p>14 talking about the same thing.</p> <p>15 So by "erosion, for these questions, I'm</p> <p>16 referencing erosions, extrusions, exposures, okay?</p> <p>17 A. Okay.</p> <p>18 Q. Specifically as to the risk for the</p> <p>19 Ethicon TVT, TVT-O and Abbrevio midurethral slings,</p> <p>20 if the company has knowledge about the frequency</p> <p>21 of erosions, would you agree that's something the</p> <p>22 company should share with doctors to whom it sells</p> <p>23 the products?</p> <p>24 A. Yeah. Again, based on the way that the</p> <p>25 regulations are set up, as a physician, if I have</p>

<p style="text-align: right;">Page 118</p> <p>1 a complication, I'm not reporting that to the 2 company. I'm taking care of the patient. I'm 3 treating things, right? So if the company is 4 doing those independent trials and studies, those 5 could be published. 6 If -- if they're doing the regulatory 7 requirements to get through to market, then, 8 again, those should be looked at by the regulatory 9 agencies. 10 So, again, you know, I think that as a 11 provider, what I care about more is what's 12 happening in practice. And so if, you know, 13 again, I can give you the Scandinavian data is a 14 good example. If, you know, you have Sweden or a 15 country that has universal healthcare and they 16 track their outcomes, and they post, you know, 17 rates based on 50,000 women, I'm going to care a 18 whole lot more about that than if the company 19 said, Oh, we did this study and we had 12 women 20 per arm and this is our rate. Does that make 21 sense? 22 So what I care about is what the rates 23 are, but I expect and anticipate that I will get 24 better information from the medical community than 25 I would get from the manufacturer. Does that make</p>	<p style="text-align: right;">Page 120</p> <p>1 doesn't. 2 Q. Dr. Jeppson, as an expert in this 3 litigation, is there anything that you have seen 4 from the company documents you think should be 5 made known to the doctors who use the Ethicon 6 midurethral slings? 7 A. You know, again, I -- I can't really 8 think of anything. You know, in -- in looking 9 through the documents and looking at the internal, 10 yeah, there were some, you know, offhand comments 11 and those kind of things and, unfortunately, those 12 kind of things do happen. 13 Do I think that would be important for 14 all practitioners to know? I don't think so. 15 And, again, I'm basing my decisions and my 16 treatment on high-quality data, right? Like the 17 systematic reviews, the randomized controlled 18 trials. And so if there's some small absurd or, 19 you know, whatever, like, it doesn't really impact 20 the overall efficacy or risk profile, you know, 21 risk/benefit profile of the device. 22 Q. Sure. Is there anything in the corporate 23 documents that you've seen that you think Ethicon 24 should tell doctors who used the midurethral 25 slings about?</p>
<p style="text-align: right;">Page 119</p> <p>1 sense? 2 Q. It does. 3 In this case, you've had the opportunity 4 that almost all practitioners have not had in that 5 you've had a chance to look into the underbelly of 6 the corporate documents and corporate depositions, 7 correct? 8 A. Yes, sir. 9 Q. And would you agree that puts you in a 10 unique position to know more about what the 11 company knows about its products and devices, 12 specifically these slings than the average 13 practitioner? 14 A. I would agree that I know more than the 15 average practitioner, but I would say that it 16 hasn't changed my practice. It's not like I've 17 discovered something and was like, oh, if everyone 18 knew this, it would be this big huge conspiracy 19 and then everyone would change the way they 20 practice. 21 I still base my practice on the medical 22 literature. So are the company documents 23 interesting? Yeah, I'm kind of a geek in that 24 way. I do like to know things, but, again, does 25 it change the practice of medicine? No, it</p>	<p style="text-align: right;">Page 121</p> <p>1 A. Not that I recall right now. I can't 2 think of anything, no. 3 Q. Dr. Jeppson, is there anything that 4 you've seen in the corporate depositions that 5 you've reviewed that you think Ethicon should 6 advise doctors to whom it sells its midurethral 7 slings? 8 A. I can't think of anything offhand, no. 9 Q. You mentioned a word in the doctrine 10 earlier and, of course, we're all -- everybody 11 here is at least familiar with that, but I want to 12 ask you some questions beyond that. 13 Do you think that the patients who are 14 considering what to do for their stress urinary 15 incontinence deserve to know about the risks that 16 Ethicon knows regarding its midurethral slings? 17 A. I think that patients need to know 18 information that impacts them and their ability to 19 make a decision. Ideally, I would love if 20 patients knew everything, right? They know 21 everything. They come to me and they're really 22 coming to me as a technician. That is not how 23 medicine works. 24 And, you know, in having had, you know, 25 thousands of discussions with patients regarding</p>

<p style="text-align: right;">Page 122</p> <p>1 healthcare, there's a point in a conversation 2 where their eyes will kind of glaze over and they 3 just can't -- they can't process the information 4 and they don't have the underlying medical 5 knowledge to make the -- the discrimination 6 between various amounts of information. 7 And oftentimes, a patient will say, Well, 8 Doctor, what would you do? And then I would tell 9 them, Well, I am not -- I can't be paternalistic. 10 I'm not here to make a decision for you. You 11 know, this is the information and you need to make 12 a decision. 13 So, you know, again, I don't -- you know, 14 I don't think that patients should be going to a 15 company to ask the company what they should do. I 16 think that patients should talk to their doctor 17 and make a decision based on what their individual 18 goals are and what they hope to achieve. 19 Q. I'm actually asking the opposite. 20 I'm asking should the company let 21 patients know, be it through the patient brochures 22 or other ways, of the risks it knows about its 23 products? 24 MR. KOOPMANN: Objection. Go ahead. 25 A. You know, again, I -- I think that -- I</p>	<p style="text-align: right;">Page 124</p> <p>1 BY MR. BRADFORD: 2 Q. This is a direct question. 3 Ethically, should a company warn patients 4 or advise patients of the risks of its products 5 that it knows about? 6 MR. KOOPMANN: Objection. 7 A. So, again, and as a direct answer, no -- 8 nothing in medicine is without risk. And so if 9 you're asking companies to provide risks, you 10 should also ask them to provide benefits, but I 11 don't think that that is the -- the obligation of 12 a company. 13 I think a company should look at what 14 they have. They should provide information to the 15 regulatory bodies. I don't think that they need 16 to be involved directly with patient care. I 17 think that's a physician's job. 18 BY MR. BRADFORD: 19 Q. Are you familiar with patient brochures 20 for the TVT, TVT-O and the Abbrevo? 21 A. I've looked at them, yes. 22 Q. Do you agree that the information in the 23 patient brochures should be accurate? 24 A. I think that the information should be 25 accurate, yes.</p>
<p style="text-align: right;">Page 123</p> <p>1 think that there are regulations in place for a 2 reason. And I think if you're asking me 3 philosophically if the U.S. should change the way 4 medicine is practiced in the U.S., I think that is 5 a different conversation. The way things are in 6 the United States, for better or worse, is that 7 you have a patient and you have a doctor and you 8 have a physician/patient relationship interaction. 9 That's where patients come to get their 10 information. That's where they come to get the 11 diagnoses. They aren't going to random companies 12 saying, You know, maybe I have high blood 13 pressure, maybe I have cholesterol, you know, what 14 should I do? What information can you provide me? 15 They go to their doctor and they say, you 16 know, I'm here for my annual exam. And the 17 physician will say, you know, We did the lab test 18 and you have high cholesterol. We need to treat 19 you. 20 So, you know, again, I don't -- I don't 21 know how the company would go to all potential 22 patients. And, again, I don't think companies 23 need to. I think that, again, based on how 24 medicine is practiced in the United States, it's 25 physician to patient.</p>	<p style="text-align: right;">Page 125</p> <p>1 Q. Do you agree that the information in the 2 patient brochures should be thorough? 3 A. So, you know, we touched on this earlier. 4 You know, I think -- and going back to 5 the very beginning conversation, it's not possible 6 for any one document to have everything in it that 7 it needs. I mean, documents aren't inherent 8 living documents. And as more information comes 9 out, I mean, you just -- I don't know how you 10 would keep a document up-to-date always, you know? 11 And so I think that the -- and I think I said this 12 before, I think that the information for providers 13 should include the information that's, you know, 14 reasonably associated but not commonly known with 15 the -- that -- that procedure, so... 16 Again, based on medicine in the U.S., I 17 think a lot of that falls to the physician. 18 Q. The patient brochure is intended to be 19 directed from the company to the consumer, the 20 consumer being the patient, correct? 21 A. So are you talking about the IFU? 22 Q. No. The patient brochures. 23 A. So the patient brochures, again, I would 24 look at patient brochures -- and this is not 25 specific to Ethicon and this is just my opinion.</p>

<p style="text-align: right;">Page 126</p> <p>1 You know, if you're providing information directly</p> <p>2 to a consumer, I would look at that as being</p> <p>3 marketing material. This is kind of how I would</p> <p>4 think that to be developed and distributed.</p> <p>5 You're -- you have a product and</p> <p>6 you're -- you know, you're marketing it to</p> <p>7 potential people.</p> <p>8 BY MR. BRADFORD:</p> <p>9 Q. Do you think the information contained in</p> <p>10 this marketing material should be accurate?</p> <p>11 MR. KOOPMANN: Objection.</p> <p>12 A. I think it depends on how you define</p> <p>13 accuracy, but, yes, it should be. It should be.</p> <p>14 BY MR. BRADFORD:</p> <p>15 Q. Do you think the information provided in</p> <p>16 these marketing materials like patient brochures</p> <p>17 should be truthful?</p> <p>18 A. Well, yes, I don't think that they should</p> <p>19 deceive people.</p> <p>20 Q. Do you think if the company knows that</p> <p>21 there's a risk range of erosion for its</p> <p>22 midurethral slings, that it should put that risk</p> <p>23 range percentage in the patient brochures?</p> <p>24 A. So, you know, again, I think that's a</p> <p>25 discussion for a physician and a patient as</p>	<p style="text-align: right;">Page 128</p> <p>1 to provide all information for patients.</p> <p>2 BY MR. BRADFORD:</p> <p>3 Q. So that means no?</p> <p>4 A. Well, so I think that they should provide</p> <p>5 balanced information.</p> <p>6 Q. Sure. Fair and balanced?</p> <p>7 A. If they're going to -- but again, I don't</p> <p>8 think that the -- I don't think that is on the</p> <p>9 corporation. I think that is on the physician to</p> <p>10 provide options for a sling, but also for a Burch</p> <p>11 and a pubovaginal sling and, you know, if I'm</p> <p>12 looking at a patient brochure and it tells me that</p> <p>13 the erosion risk is X, but I don't know what my</p> <p>14 other options are and whether or not the success</p> <p>15 rates are comparable between those, I think it's</p> <p>16 out of context and I don't think it's particularly</p> <p>17 beneficial, so...</p> <p>18 Q. Have you seen a patient brochure as you</p> <p>19 described as a marketing piece that does not</p> <p>20 provide the benefit of the device?</p> <p>21 A. I have seen many brochures that do not</p> <p>22 comment on alternatives. Most do not.</p> <p>23 Q. "Alternatives," meaning other treatment</p> <p>24 options?</p> <p>25 A. Correct.</p>
<p style="text-align: right;">Page 127</p> <p>1 opposed to -- but, yeah, I mean, if patients want</p> <p>2 to -- to find the information, you know, I don't</p> <p>3 think that the onus is on the manufacturer to</p> <p>4 provide that to them.</p> <p>5 You know, again, I know you're talking</p> <p>6 about erosions, but, again, as I discussed</p> <p>7 earlier, decisions aren't made in a vacuum. In</p> <p>8 general, the risks of midurethral slings are</p> <p>9 outweighed by the benefits, which is why they're</p> <p>10 considered the standard of care by all the</p> <p>11 national and international organizations. And so,</p> <p>12 counter, you know, part of being truthful is also</p> <p>13 not dissuading people to do something that would</p> <p>14 be beneficial. So if you're asking them to only</p> <p>15 put bad information in patient brochures, I don't</p> <p>16 think that's right either.</p> <p>17 Q. My question is very direct.</p> <p>18 A. Okay.</p> <p>19 Q. Do you think that a company like Ethicon,</p> <p>20 if it knows of a range of percentages of the risk</p> <p>21 of erosion for its midurethral slings, that it</p> <p>22 should put that in its patient brochures?</p> <p>23 MR. KOOPMANN: Objection. Go ahead.</p> <p>24 A. So I think that my answer before was also</p> <p>25 direct. I think that it's not up to the company</p>	<p style="text-align: right;">Page 129</p> <p>1 Q. I'm talking about the benefits of that</p> <p>2 device. For example, a patient brochure for the</p> <p>3 TVT or the TVT-O or the Abbrevio, those are quite</p> <p>4 good at talking about the benefits of those</p> <p>5 devices and what good can come to a woman's life</p> <p>6 from having them implanted, right?</p> <p>7 A. Uh-huh. Okay.</p> <p>8 Q. Would you agree with that?</p> <p>9 A. I think, again, I think that -- I don't</p> <p>10 think that -- so speaking for myself personally as</p> <p>11 a consumer, I would not go --</p> <p>12 Q. I don't mean to interrupt you, Doctor.</p> <p>13 And I haven't done this today and I'm very careful</p> <p>14 not to --</p> <p>15 A. Sorry.</p> <p>16 Q. -- but the question is specific as to the</p> <p>17 Ethicon midurethral sling brochures you've seen.</p> <p>18 A. Yes.</p> <p>19 Q. Would you agree that those sling</p> <p>20 brochures -- strike that.</p> <p>21 Would you agree that the brochures for</p> <p>22 the Ethicon midurethral slings do a good job of</p> <p>23 advising of the benefits in the good things that</p> <p>24 can happen to women if they choose to have those</p> <p>25 devices implanted for their stress urinary</p>

<p style="text-align: right;">Page 130</p> <p>1 incontinence?</p> <p>2 A. I think that they do describe benefits,</p> <p>3 yes.</p> <p>4 Q. Okay. And you would agree that they</p> <p>5 should also describe the risks in addition to</p> <p>6 describing the benefits to be fair and balanced,</p> <p>7 right?</p> <p>8 A. So, I think that the patient should know</p> <p>9 what the risks are. Again, I know that we're</p> <p>10 talking about erosion. And so, you know, if</p> <p>11 you -- if you say that the brochure should include</p> <p>12 all risks of erosion, where does that stop, and</p> <p>13 how much information should be included and how</p> <p>14 much shouldn't? And why would erosion be selected</p> <p>15 as different than bleeding risk or infection risk</p> <p>16 or UTI risk?</p> <p>17 Like, how would you determine what should</p> <p>18 and should not be included? You know, like,</p> <p>19 again, I think that that is the purpose of a</p> <p>20 physician. Do I provide these brochures to my</p> <p>21 patients? No. If they want them, they can get</p> <p>22 them, but, again, I think that my purpose as a</p> <p>23 physician when I provide patient education, it</p> <p>24 comes from the national societies.</p> <p>25 Q. Doctor, I'm asking specifically as to the</p>	<p style="text-align: right;">Page 132</p> <p>1 So, again, I don't -- you know, if --</p> <p>2 if -- if the company wanted to include that</p> <p>3 information, I think that would be fine. I think</p> <p>4 that would be up to them and to their, you know,</p> <p>5 marketing.</p> <p>6 You know, from my perspective as far as</p> <p>7 patient care goes, I don't rely on the patient</p> <p>8 brochures and I don't direct patients to them. I</p> <p>9 would direct them to information that's going to</p> <p>10 come from, you know, an entity that will provide</p> <p>11 all information regarding multiple options.</p> <p>12 BY MR. BRADFORD:</p> <p>13 Q. I -- I'm going to ask again.</p> <p>14 Direct question, specifically as to the</p> <p>15 risk of erosion. In the patient brochures for its</p> <p>16 midurethral slings, in addition to providing the</p> <p>17 benefits of the slings, should Ethicon provide the</p> <p>18 percentage risk range of erosion as well?</p> <p>19 MR. KOOPMANN: Objection. Go ahead.</p> <p>20 BY MR. BRADFORD:</p> <p>21 Q. I'm going to ask this until I get a</p> <p>22 direct answer, and we may be here all afternoon.</p> <p>23 That's fine. I mean, I think the answer is no,</p> <p>24 but you won't say it. So --</p> <p>25 A. But --</p>
<p style="text-align: right;">Page 131</p> <p>1 brochures that you've seen.</p> <p>2 A. Yes.</p> <p>3 Q. Okay. Do you think -- and this is</p> <p>4 simple. If they should, they should. If they</p> <p>5 shouldn't, they shouldn't.</p> <p>6 Do you think that Ethicon, in addition to</p> <p>7 providing the benefits of its midurethral slings</p> <p>8 in its patient brochures, should also provide the</p> <p>9 risks including the percentage range of erosion</p> <p>10 for its midurethral slings?</p> <p>11 MR. KOOPMANN: Objection. Go ahead.</p> <p>12 A. So, again, I don't think it's possible</p> <p>13 for a patient brochure to include all pertinent</p> <p>14 information.</p> <p>15 BY MR. BRADFORD:</p> <p>16 Q. I'm asking specifically as to the risk</p> <p>17 range for erosions -- that's it -- that they're</p> <p>18 currently aware of.</p> <p>19 MR. KOOPMANN: Same objection.</p> <p>20 A. Yeah. My counterquestion would be, Why</p> <p>21 is an erosion risk any different than other risks</p> <p>22 associated with said device? Like, why -- how</p> <p>23 would you -- like, if you're going to fault</p> <p>24 someone for not including the information, they</p> <p>25 can't include everything, I don't think.</p>	<p style="text-align: right;">Page 133</p> <p>1 MR. KOOPMANN: Objection. Go ahead.</p> <p>2 A. So I don't think it's wrong for them to</p> <p>3 include it, but I don't think it needs to be</p> <p>4 included.</p> <p>5 BY MR. BRADFORD:</p> <p>6 Q. Fair enough. That's good enough. I</p> <p>7 don't care what your answer is. I just want it,</p> <p>8 right? So if your answer is yes, that's great.</p> <p>9 If your answer is no, that's great. I don't</p> <p>10 really care. I just want to know what it is. So</p> <p>11 I think you answered, so we can move on.</p> <p>12 Do you agree that with the TVT device,</p> <p>13 there is the risk of foreign body response</p> <p>14 resulting in inflammation?</p> <p>15 A. I think similar to any implant, there is</p> <p>16 a risk of reaction to.</p> <p>17 In general, if you're asking my opinion</p> <p>18 about polypropylene, you know, the suture has been</p> <p>19 around since like the 1950s. That is what I</p> <p>20 choose to use for my Burch surgeries as well, and</p> <p>21 so, you know, I don't see a whole lot of</p> <p>22 inflammation.</p> <p>23 Q. All right. I'm going to ask the question</p> <p>24 again.</p> <p>25 For the TVT midurethral sling, do you</p>

<p style="text-align: right;">Page 134</p> <p>1 think there's a risk of foreign body response 2 resulting in inflammation? 3 MR. KOOPMANN: Objection. Go ahead. 4 A. So, you know, again, I think that in the 5 short-term after surgery, any time anyone has 6 surgery, there are risks of inflammation as part 7 of the healing process. Long-term, when I've gone 8 into take a mesh out, I don't see a lot of 9 indication of inflammation or foreign body 10 reaction. 11 BY MR. BRADFORD: 12 Q. You would agree that the Prolene mesh in 13 the TVT is the same Prolene mesh that's in the 14 TVT-O? 15 A. They're very similar, I believe, yes. 16 Q. Are they identical? 17 A. I don't know that. I don't know the 18 chemical composite, but I presume them to be very 19 similar. 20 Q. Do you understand that the Prolene mesh 21 in the TVT is the same as the TVT Abbrevio? 22 A. It's a type 1 polypropylene mesh, yes. 23 Q. And do you agree it's essentially the 24 same -- the mesh, itself, is the same whether it's 25 the TVT, the TVT-O or the TVT-O Abbrevio?</p>	<p style="text-align: right;">Page 136</p> <p>1 risk of pain. 2 Q. Would you agree that with the TVT, there 3 is a separate, specific mesh-related risk for 4 acute and/or chronic pain? 5 A. Mesh has its own inherent risks, yes. 6 Q. Which included acute or chronic pain? 7 A. Yeah -- yes. Pain can be associated with 8 them, yes. 9 Q. Would you agree that the TVT comes with 10 the risk of pain with intercourse, which in some 11 patients may not resolve? 12 A. That is a risk. 13 Q. Would you agree with the TVT that there's 14 the risk of neuromuscular problems including acute 15 and/or chronic pain in the groin, thigh, leg, 16 pelvic and/or abdominal area? 17 A. I think it depends on where the mesh is 18 placed, but, yes, you know, again, I think we're 19 splitting hairs on where the pain can be, but, yes 20 pain is associated with slings or surgery. 21 Q. Would you agree with the risks I've just 22 outlined come with the risk that they might 23 require surgical treatment? 24 A. Yes, that is a risk. 25 Q. Would you agree that with the TVT,</p>
<p style="text-align: right;">Page 135</p> <p>1 A. They are all very similar meshes, yes. 2 Q. Would you agree that for the TVT device, 3 there's a risk of foreign body response resulting 4 in extrusion, erosion or exposure? 5 A. Any time mesh is implanted, there's a 6 risk of, you know, exposure. 7 Q. Would you agree for the TVT, there is the 8 risk of foreign body response resulting in fistula 9 formation? 10 A. So fistula formation is a risk from a 11 sling placement. I don't think it's a risk from 12 the sling itself. I think it's a risk from the 13 implantation and the dissection as the sling is 14 placed between the vaginal epithelium and the 15 urethra. 16 Q. Do you agree with the TVT, there is the 17 risk of mesh extrusion, exposure or erosion into 18 the vagina or other structures or organs? 19 A. There is -- there is a risk of a mesh 20 exposure in the vagina with placement of any mesh, 21 yes. 22 Q. Would you agree that with the TVT, 23 there's the risk of acute and/or chronic pain? 24 A. Yes. And as we discussed, I think that's 25 similar with any surgery. All surgeries carry</p>	<p style="text-align: right;">Page 137</p> <p>1 there's a risk of one or more revision surgeries 2 that might be necessary to treat the adverse 3 reactions or risks we've just talked about? 4 A. Yeah, I think that is true for the other 5 antiincontinence procedures as well. 6 Q. But you would agree that there's a 7 mesh-specific risk for one or more revision 8 surgeries to treat the risk we've described? 9 A. Yes, mesh does have inherent risks. 10 Q. Would you agree that in cases in which 11 the Prolene mesh needs to be removed in part or in 12 whole, significant dissection may be required? 13 A. I think it depends on how you define 14 "significant," but in order to remove mesh, it 15 would need to be dissected free. 16 Q. Do you agree that with the TVT, there 17 comes the risk of excessive contraction or 18 shrinkage of the tissues surrounding the mesh? 19 A. That has not been my experience. 20 Q. Do you agree that Ethicon knew of all of 21 the risks we just described -- strike that. 22 Do you agree that Ethicon knew of all of 23 the risks that I just went through before the TVT 24 originally went on the market? 25 MR. KOOPMANN: Objection.</p>

<p style="text-align: right;">Page 138</p> <p>1 A. I know that I've looked at many of 2 documents. I don't know that I've seen all. I 3 don't know that I know everything that Ethicon may 4 or may not have known at the time. 5 Again, what I've told you, you know, I 6 base my knowledge on the medical literature, you 7 know. And so I'm not basing things on a study 8 that was done back in '93. I'm basing things on 9 systematic reviews that were published more 10 recently with the composite of risks and benefits. 11 So I can't speak for Ethicon. I don't know -- I 12 don't know what they did or didn't know. 13 BY MR. BRADFORD: 14 Q. When did you first consent a patient for 15 the use of a midurethral sling? 16 A. It was probably in residency, 2006, 2007. 17 Q. Dr. Jeppson, I went through a list of 18 risks just a minute ago. 19 To avoid having to go through -- well, 20 let me strike that and try to lay a foundation. 21 Do the same risks apply for the TVT-O as 22 well? 23 A. Yeah, any -- any -- yes. There are risks 24 associated with midurethral slings that would be 25 similar between retropubic versus transobturator.</p>	<p style="text-align: right;">Page 140</p> <p>1 A. So, yeah, again, there are risks inherent 2 to mesh, which include exposure. 3 Q. And would you agree that with the TVT-O, 4 there comes the risk of a foreign body response 5 resulting in fistula formation? 6 A. Again, I don't think that it results in 7 fistula. I think that fistula have been 8 associated with. It seems that most of the 9 publications I have seen in personal experience is 10 based on where the mesh is placed as opposed to 11 the mesh causing the fistula, but it is a 12 possibility. 13 Q. Doctor, do you agree that the TVT-O comes 14 with the risk of mesh extrusion, exposure or 15 erosion into the vagina or other structures or 16 organs? 17 A. Yes, there's risks associated with mesh, 18 yes. 19 Q. Do you agree that the TVT-O comes with 20 the risk of acute and/or chronic pain? 21 A. That is a risk of any surgery, yes. 22 Q. And would you agree that there's the 23 mesh-specific risk with the TVT-O of acute and/or 24 chronic pain? 25 A. That is a risk, yes.</p>
<p style="text-align: right;">Page 139</p> <p>1 Q. Correct. And the list that I just went 2 through, that would apply to the TVT-O as well? 3 A. My answers would be the same, yes. 4 Q. And is the same true for the Abbrevio, 5 that the risks would be the same for the TVT or 6 Abbrevio? 7 A. They would be similar, yes. 8 Q. Well, similar is not the same so what 9 would be different regarding the TVT-O? 10 A. The TVT-O versus TVT-O Abbrevio; is that 11 what you're asking me? 12 Q. I'm sorry. That's horribly unclear. I 13 apologize. 14 I'm just going to go through it, 15 Dr. Jeppson. 16 For the TVT-O, do you agree that there's 17 the risk of foreign body response resulting in 18 inflammation? 19 A. Yeah. Again, as we discussed for the 20 retropubic sling, it depends if you're talking 21 acute right after the time of surgery versus 22 remote from, but any time a foreign body is 23 placed, there is potential for reaction. 24 Q. And do you agree for the TVT-O there 25 comes the risk of extrusion, erosion and exposure?</p>	<p style="text-align: right;">Page 141</p> <p>1 Q. Do you agree that the TVT-O comes with 2 the risk of pain with intercourse which in some 3 patients may not resolve? 4 A. That is a risk, yes. 5 Q. Do you agree with the TVT-O, there comes 6 the risk of neuromuscular problems, including 7 acute and/or chronic pain in the groin, thigh, 8 leg, pelvic and/or abdominal area? 9 A. Again, similar to my prior statement, it 10 depends on where the mesh is placed, but there is 11 a risk of pain with mesh placement. 12 Q. You would agree that the TVT-O comes with 13 the risk of adverse reactions that might require 14 surgical treatment? 15 A. Repeat operation is a risk of really any 16 surgery, but in this case, that is also true. 17 Q. And you would agree that with the TVT-O 18 there comes the risk of one or more revision 19 surgeries that may be necessary to treat the 20 adverse reactions or risks we've just gone 21 through? 22 A. Yeah, and, again, I would say it's 23 similar to Burch or pubovaginal sling. Those 24 risks are the same. They all carry risk. 25 Q. You would agree that it is easier to</p>

<p style="text-align: right;">Page 142</p> <p>1 remove a suture than a woven synthetic mesh that 2 has tissue integrated through it?</p> <p>3 MR. KOOPMANN: Objection.</p> <p>4 A. Again, I think that I said this before, 5 but not necessarily; depends on where the suture 6 is placed and how it was placed. It depends on 7 where the mesh is and where it was placed and how, 8 but it's not necessarily harder. Sometimes it can 9 be easier.</p> <p>10 BY MR. BRADFORD:</p> <p>11 Q. You would agree with the TVT-O comes the 12 risk of, in cases in which the Prolene mesh needs 13 to be removed in part or whole, significant 14 dissection might be required?</p> <p>15 A. Again, it depends on how you define 16 significant, but the mesh would need to be 17 dissected free to be removed.</p> <p>18 Q. And, Doctor, do you agree with the TVT-O, 19 excessive contraction or shrinkage of the tissue 20 surrounding the mesh is a risk?</p> <p>21 A. And, again, I have not really seen that.</p> <p>22 In the medical literature, there is a 23 report of a, you know, mesh shrinking maybe 10 24 percent. Pubovaginal slings shrink a lot over the 25 course of the first few months to year. And so</p>	<p style="text-align: right;">Page 144</p> <p>1 A. And, again, I'm not certain that the 2 fistula formation is related specific to the 3 foreign body reaction. I think it's based more on 4 where the device is placed, but it is a risk at 5 the time of the sling surgery.</p> <p>6 Q. And you would agree regarding the TVT 7 Abbrevio that it comes with the risk of mesh 8 extrusion, exposure or erosion into the vagina or 9 other structures or organs?</p> <p>10 A. Again, as we discussed, there are risks 11 inherently associated with mesh and erosion is one 12 of those.</p> <p>13 Q. You would agree with the TVT Abbrevio, 14 there comes the risk of acute and/or chronic pain?</p> <p>15 A. Yes. There's a risk of pain with any 16 surgical intervention.</p> <p>17 Q. And regarding the TVT Abbrevio mesh, 18 there's a mesh-specific risk of acute and/or 19 chronic pain, correct?</p> <p>20 A. That is correct. There's a mesh -- 21 there's a risk inherent to mesh, yes.</p> <p>22 Q. And you would agree with the TVT Abbrevio, 23 there's the risk of pain with intercourse which in 24 some patients may not resolve?</p> <p>25 A. Again, inherent to mesh, there are risks,</p>
<p style="text-align: right;">Page 143</p> <p>1 slings, midurethral slings shrink much less than 2 pubovaginal slings.</p> <p>3 Q. I hate to do this, but I'm going to have 4 to ask you the same questions for the Abbrevio 5 since there's multiple products. I would rather 6 not, but somebody is going to yell at me in the 7 Abbrevio case if I don't do it, okay?</p> <p>8 A. That's fine.</p> <p>9 Q. Doctor, you would agree with the TVT 10 Abbrevio that there's the risk of foreign body 11 response resulting in inflammation?</p> <p>12 A. Again, it depends on if you're talking 13 about acute or chronic. At the time of surgery, 14 there's always a risk of inflammation that kind of 15 goes with surgery. Long term, there is a risk 16 with any foreign body.</p> <p>17 Q. Do you agree with the TVT Abbrevio, there 18 comes the risk of foreign body response resulting 19 in extrusion, erosion or exposure?</p> <p>20 A. Again, you know, there is a risk inherent 21 with mesh that there can be, you know, erosion or 22 exposure when mesh is placed.</p> <p>23 Q. With the TVT Abbrevio, there comes the 24 risk of foreign body response resulting in fistula 25 formation?</p>	<p style="text-align: right;">Page 145</p> <p>1 yes.</p> <p>2 Q. You would agree with the TVT Abbrevio -- 3 strike that.</p> <p>4 You would agree with the TVT Abbrevio, 5 there's the risk of neuromuscular problems 6 including acute and/or chronic pain in the groin, 7 thigh, leg, pelvic and/or abdominal area?</p> <p>8 A. Again, it depends on where the mesh is 9 placed, but mesh does carry inherent risks as does 10 any surgery.</p> <p>11 Q. Doctor, you would agree that with the TVT 12 Abbrevio, there comes the risk that those adverse 13 reactions I just mentioned might require surgical 14 treatment?</p> <p>15 A. And, again, yes, that is a risk of any 16 surgery as a possibility of repeat surgery.</p> <p>17 Q. And there's a mesh-specific risk as well 18 with the TVT Abbrevio?</p> <p>19 A. There is a mesh-specific risk, yes.</p> <p>20 Q. Doctor, would you agree that's there's -- 21 strike that.</p> <p>22 Doctor, with the TVT Abbrevio, do you 23 agree there's the risk of one or more revision 24 surgeries may be necessary to treat the adverse 25 reactions or risks we've just gone through?</p>

<p style="text-align: right;">Page 146</p> <p>1 A. And, again, I would agree with that, but</p> <p>2 also state that that is also possible with any</p> <p>3 surgical intervention.</p> <p>4 Q. But you would agree there's a</p> <p>5 mesh-specific component to that as well, correct?</p> <p>6 MR. KOOPMANN: Objection.</p> <p>7 A. And, again, mesh does have inherent</p> <p>8 risks.</p> <p>9 BY MR. BRADFORD:</p> <p>10 Q. Including one or more revisions</p> <p>11 surgeries, correct?</p> <p>12 A. This is a possibility.</p> <p>13 Q. You would agree that with the TVT Abbrevio</p> <p>14 in cases in which the Prolene mesh needs to be</p> <p>15 removed in part or in whole, significant</p> <p>16 dissection may be required?</p> <p>17 A. Again, I think it depends on how you</p> <p>18 define "significant," but the mesh would need to</p> <p>19 be dissected free to be removed.</p> <p>20 Q. And you would agree with the TVT Abbrevio</p> <p>21 that there's a risk of excessive contraction or</p> <p>22 shrinkage of the tissue surrounding the mesh?</p> <p>23 A. And, again, similar to the others, the</p> <p>24 midurethral slings, I have not seen that.</p> <p>25 Again, in the literature, it's a 10</p>	<p style="text-align: right;">Page 148</p> <p>1 fair to say that you've looked at those -- you've</p> <p>2 looked at what was explanted, correct?</p> <p>3 A. I always look at what I remove, yes.</p> <p>4 Q. Right. And do you look at it with a</p> <p>5 microscope or do you just do a gross look with the</p> <p>6 naked eye?</p> <p>7 A. I do gross and send it to pathology.</p> <p>8 Q. Right. And it's pathology's job, it's</p> <p>9 their job to look under the microscope and</p> <p>10 describe what's there?</p> <p>11 A. You know, so that is a pathologist's job</p> <p>12 is to look at pathologic specimens and then to say</p> <p>13 what they are. And I don't make it a habit to</p> <p>14 look under the microscope to see what's there. I</p> <p>15 have looked in publications to see, you know,</p> <p>16 what's reported in that, but, yeah, I don't -- I</p> <p>17 don't think that I need to look under the</p> <p>18 microscope to know that it's mesh.</p> <p>19 Q. Is it fair to say that you would need to</p> <p>20 look under the microscope to see whether the mesh</p> <p>21 has degraded?</p> <p>22 A. I think that if you were to determine</p> <p>23 degradation, I think you probably need a scanning</p> <p>24 electron microscope, not just a typical light</p> <p>25 microscope that would be in most universities'</p>
<p style="text-align: right;">Page 147</p> <p>1 percent -- the mesh contracts by 10 percent over</p> <p>2 the course of the first year, which is</p> <p>3 significantly less than pubovaginal slings, which</p> <p>4 are set much more loosely because they do contract</p> <p>5 so much.</p> <p>6 Q. Doctor, do you understand or know that</p> <p>7 Ethicon knew of the risks and adverse reactions</p> <p>8 we've gone through regarding the TVT-O before the</p> <p>9 time the TVT-O was launched?</p> <p>10 MR. KOOPMANN: Objection.</p> <p>11 A. You know, again, I've seen some internal</p> <p>12 documents from Ethicon. I do not remember</p> <p>13 everything. I'd have to go back and look and I</p> <p>14 don't pretend to know everything Ethicon did or</p> <p>15 didn't know at the time.</p> <p>16 BY MR. BRADFORD:</p> <p>17 Q. Doctor, do you agree that Ethicon knew of</p> <p>18 all the risks regarding the TVT Abbrevio we just</p> <p>19 went through before the time of launch?</p> <p>20 MR. KOOPMANN: Objection.</p> <p>21 A. You know, again, I don't know what they</p> <p>22 did or didn't know.</p> <p>23 BY MR. BRADFORD:</p> <p>24 Q. When you've removed midurethral slings or</p> <p>25 portions of midurethral slings in surgeries, is it</p>	<p style="text-align: right;">Page 149</p> <p>1 labs.</p> <p>2 Q. Fair enough.</p> <p>3 So is it fair to say that to be able to</p> <p>4 see degradation on a piece of excised mesh and</p> <p>5 tissue, you would need an electron microscope?</p> <p>6 A. I think that if -- so what I think is</p> <p>7 that you can look at published literature to see</p> <p>8 what happens to the mesh. I don't think that</p> <p>9 every specimen would need to be analyzed.</p> <p>10 Q. Yeah. And let me tell you why I'm asking</p> <p>11 you these questions, okay?</p> <p>12 A. Okay.</p> <p>13 Q. Because every time we take one of these</p> <p>14 doctors who's taken this out, they get a series of</p> <p>15 questions from Ethicon lawyers to say, did you see</p> <p>16 any degradation, did you see banding, did you see</p> <p>17 roping, fraying, curling, et cetera, et cetera.</p> <p>18 So -- and I'm asking you these questions</p> <p>19 because I want to know your opinions as to whether</p> <p>20 or not you see that with the naked eye or whether</p> <p>21 you would need to actually look under an electron</p> <p>22 microscope to see those things, okay?</p> <p>23 A. Yeah.</p> <p>24 Q. So I'm not trying to dig into the</p> <p>25 literature on this.</p>

<p style="text-align: right;">Page 150</p> <p>1 A. So I think that the surface -- like, to 2 see degradation at the surface structure, you 3 would need a scanning electron microscope. I 4 think to see the -- the roping, curling, fraying, 5 I don't think that you would need a microscope to 6 see that. I don't think you'd need a scanning 7 electron microscope to see that. 8 I think some of that could be visualized 9 with the naked eye. I think some of that could be 10 visualized just by histologic specimens, you know, 11 by trans -- you know, by dissection evaluation, 12 but I think that I have not seen a lot of that 13 when I've removed. I don't really see roping and 14 curling and fraying when I'm taking mesh out. It 15 seems to be fairly well-incorporated, which is 16 what it's supposed to do. 17 Q. All right. Are you aware of how the -- 18 strike that. 19 Are you familiar with the terms laser cut 20 and mechanically cut? 21 A. Yes. 22 Q. Okay. I'm going to ask you some 23 questions about that. 24 When did you first become aware of that 25 the TVT-O -- strike that.</p>	<p style="text-align: right;">Page 152</p> <p>1 types, but I didn't know which was which with 2 which sling. Did that answer the question? 3 Q. A little bit. Let me ask it again so the 4 record's clear. 5 Before you were hired as an expert for 6 Ethicon, you did not know which meshes were laser 7 cut versus mechanically cut, correct? 8 A. Correct. I don't think, yeah, I don't 9 think it's clinically relevant and I did not know. 10 Q. Based upon your review of internal 11 Ethicon documents, was Ethicon concerned about the 12 difference between mechanically cut mesh and the 13 laser cut mesh? 14 A. I think that they had -- they wouldn't 15 have changed from one to the other or back if they 16 didn't have reason to, so I'm sure there was some 17 sort of internal dialogue that prompted that. And 18 I think that some of that came from physician 19 feedback based on, you know, kind of what they had 20 seen at the time of opening the devices. 21 Q. Do you have an understanding as to 22 whether or not laser cut mesh is stiffer than 23 mechanically cut mesh? 24 A. You know, again, this relates to the 25 question you'd asked me before about, you know,</p>
<p style="text-align: right;">Page 151</p> <p>1 Do you have an understanding as to 2 whether or not the TVT-O device at different time 3 periods was laser cut or mechanically cut? 4 A. So prior to initiating my relationship 5 with Ethicon, I did not know. 6 Subsequent to that time, I am aware that 7 the TVT-O Abbrevio is laser cut and always has been 8 and that the other options have transitioned over 9 time. Again, looking at the medical literature, 10 the, you know, large randomized controlled trials 11 funded by the NAH as well as the systematic 12 reviews based on my understanding of when that 13 transitioned, there is not a significant 14 difference in rates of complications based on 15 whether a mesh was laser cut or mechanically cut. 16 Q. All right. Doctor, so before Ethicon 17 hired you to become an expert in this case and you 18 were provided internal information, you had no 19 idea that the TVT-O at different time periods came 20 with laser cut or mechanically cut, correct? 21 A. I don't think it's clinically relevant. 22 Q. I appreciate that opinion, but -- 23 A. So -- so -- so -- 24 Q. My question is more direct than that. 25 A. So I had heard of the two different</p>	<p style="text-align: right;">Page 153</p> <p>1 percentiles or proportions. You know, stiffness 2 is relative. So do I think that there's a 3 clinically-significant difference in the stiffness 4 between a mechanically cut and a laser cut? I 5 don't think it clinically matters. 6 If you were to look at the, you know, 7 like, engineering profiles and, you know, the -- 8 you may see the difference, but, again, I don't 9 think that it's clinically -- I don't think that 10 it clinically matters. 11 Q. Excluding clinical significance for the 12 purposes of this question, you would agree that 13 laser cut mesh is stiffer than mechanically cut 14 mesh? 15 A. Yeah. I think that there is data to show 16 that laser cut is slightly stiffer than 17 mechanically cut, but, again, I would say that I 18 don't think that it matters. 19 Q. Would you agree that with mechanically 20 cut mesh comes the risk of particle loss? 21 A. So at the time of surgery when I've 22 opened mechanically cut meshes, sometimes you can 23 see some -- some particle loss there. I don't 24 know, you know, but, again, I've not seen any 25 literature that reports on those particles causing</p>

<p style="text-align: right;">Page 154</p> <p>1 any issue or any problem.</p> <p>2 Moreover, once the device is open, any</p> <p>3 particle loss that's there would not be implanted</p> <p>4 in the patient because it would stay on the back</p> <p>5 table.</p> <p>6 Q. If a mechanically cut mesh was subject to</p> <p>7 particle loss within the packaging itself, would</p> <p>8 you agree that there could also be particle loss</p> <p>9 once implanted?</p> <p>10 A. You know, again, I would say that based</p> <p>11 on published literature pre- and post-mechanical</p> <p>12 versus laser cut, there is no clinical data to</p> <p>13 substantiate that and so I would say it probably</p> <p>14 doesn't matter.</p> <p>15 Q. Are you aware of any study that -- strike</p> <p>16 that.</p> <p>17 Are you aware of any literature or study</p> <p>18 which has looked at the difference between</p> <p>19 mechanically cut TVT-O and laser cut TVT-O?</p> <p>20 A. I know that I have seen studies on that,</p> <p>21 yes.</p> <p>22 Q. Specifically looking at the clinical</p> <p>23 differences between the two?</p> <p>24 A. So, again, the TVT-O Abbrevio has always</p> <p>25 been laser cut.</p>	<p style="text-align: right;">Page 156</p> <p>1 associated with slings, it doesn't come out that,</p> <p>2 oh, they changed from mechanical cut to laser cut</p> <p>3 or from laser cut to mechanical cut or this one</p> <p>4 had particle loss and, therefore, the risks are</p> <p>5 different.</p> <p>6 Clinically, they behave the same. So</p> <p>7 from a -- I am a clinician. From a clinical</p> <p>8 perspective, I don't think it matters. From a</p> <p>9 scientific perspective, if you want to get into</p> <p>10 the science and everything and look at all the</p> <p>11 basic science stuff, you know, it's interesting,</p> <p>12 but I don't think that it impacts patient care.</p> <p>13 Q. Sitting here today, do you recall the</p> <p>14 name of any study specifically that compared TVT-O</p> <p>15 mechanically cut versus TVT-O laser cut?</p> <p>16 A. I don't remember names.</p> <p>17 Q. Are you aware of a study comparing the</p> <p>18 erosion risk between TVT-O mechanically cut versus</p> <p>19 TVT-O laser cut?</p> <p>20 A. So, again, I have probably seen studies</p> <p>21 regarding that, you know, and this gets back into</p> <p>22 what we were discussing earlier regarding level of</p> <p>23 evidence, which we haven't gotten back to.</p> <p>24 There -- the medical -- the composite of</p> <p>25 medical literature, it grows at such a rapid rate,</p>
<p style="text-align: right;">Page 155</p> <p>1 Q. Sure. I'm sorry. Let me re-ask my</p> <p>2 question. This was specifically -- this was</p> <p>3 specific as to the TVT-O.</p> <p>4 A. So, again, what I was saying is pertinent</p> <p>5 to this though because the TVT-O Abbrevio has</p> <p>6 always been laser cut. So, again, if you're</p> <p>7 looking at studies pre- and post-mechanical to</p> <p>8 laser, I am not aware of any clinical trials that</p> <p>9 show any significant difference.</p> <p>10 Are there studies that look specifically</p> <p>11 at the composition of the slings regarding</p> <p>12 stiffness, et cetera? Yes, I'm sure that there</p> <p>13 are, but, again, I don't think that they matter</p> <p>14 clinically.</p> <p>15 Q. Are you aware of any studies regarding</p> <p>16 the clinical significance of particle loss from</p> <p>17 mechanically cut mesh?</p> <p>18 A. Again, I know that it has been studied</p> <p>19 and, again, I remember seeing some internal</p> <p>20 documents. I'd have to refresh my memory on</p> <p>21 exactly what they said. But, again, I base my</p> <p>22 medical knowledge on a composite of information</p> <p>23 including systematic reviews like, you know,</p> <p>24 Cochrane reviews or other reviews and when you</p> <p>25 look back at the adverse events or the risks</p>	<p style="text-align: right;">Page 157</p> <p>1 it's impossible to keep up with everything. So</p> <p>2 could there possibly be some case series or some</p> <p>3 small comparative cohort study that demonstrates</p> <p>4 difference? It's possible.</p> <p>5 Again, looking at level 1 evidence, the</p> <p>6 big RCTs and the big systematic reviews, that has</p> <p>7 not been an issue. So, again, I would say it's</p> <p>8 not clinically important.</p> <p>9 Q. Do you agree that if a company has two</p> <p>10 different products that both do the same thing and</p> <p>11 have the same efficacy but one has a greater risk</p> <p>12 than the other that the company should only offer</p> <p>13 doctors the product with less risk?</p> <p>14 A. I think that's a very simplistic view.</p> <p>15 Having heard many physicians discuss these issues,</p> <p>16 different surgeons feel that different products</p> <p>17 behave differently in different hands. So, again,</p> <p>18 this gets back to the question of should the</p> <p>19 company provide risks? I think that risks are</p> <p>20 somewhat dependant upon the person implanting</p> <p>21 them. So, you know, like, for example, with the</p> <p>22 Caldera sling that I'm currently using, they have</p> <p>23 several different trocar types not because one is</p> <p>24 safer or more dangerous but to accommodate the</p> <p>25 desires of the surgeon based on their experience</p>

<p style="text-align: right;">Page 158</p> <p>1 and training.</p> <p>2 So, you know, again, I would not say that</p> <p>3 they should remove -- so, again, from an ethical</p> <p>4 perspective, you know, you want to provide the</p> <p>5 best care to patients. I think that that can be</p> <p>6 accommodated differently by different providers</p> <p>7 based on different products.</p> <p>8 Q. So the answer's no?</p> <p>9 MR. KOOPMANN: Object to form.</p> <p>10 A. Well, but the question you asked is, you</p> <p>11 know, do I think that companies should provide</p> <p>12 something unsafe? Well, I don't think that the</p> <p>13 company should ever do that.</p> <p>14 BY MR. BRADFORD:</p> <p>15 Q. Let me ask my question again.</p> <p>16 Would you agree that if a company has two</p> <p>17 different products that both do the same thing and</p> <p>18 have the same efficacy but one has a greater risk</p> <p>19 profile than the other, the company should only</p> <p>20 offer doctors the product with the less risk?</p> <p>21 MR. KOOPMANN: Objection.</p> <p>22 A. But, again, I think that's a very</p> <p>23 simplistic view. So what I may think is the best</p> <p>24 may not be what my colleagues thinks is the best</p> <p>25 and I've had those discussions with them. So,</p>	<p style="text-align: right;">Page 160</p> <p>1 If a company has two different products</p> <p>2 that both do the same thing and have the same</p> <p>3 efficacy but one has a greater risk than the</p> <p>4 other, one has a greater risk profile than the</p> <p>5 other, do you agree the company should only offer</p> <p>6 doctors the product with the lesser risk profile?</p> <p>7 MR. KOOPMANN: Objection.</p> <p>8 A. So, you know, I know you want a yes or a</p> <p>9 no or I can't answer, but I don't think any of</p> <p>10 those are the answer. I think that when I offer</p> <p>11 products or surgeries to patients, there are</p> <p>12 different surgeries that could be better for one</p> <p>13 patient versus another. So should I not offer</p> <p>14 that particular surgery to anyone? I don't think</p> <p>15 so.</p> <p>16 So, you know, again, I think that -- I</p> <p>17 understand that you're painting it as black and</p> <p>18 white, but the practice of medicine is not that</p> <p>19 and so I guess if you're pushing and making me</p> <p>20 answer, I guess I would say I can't answer that,</p> <p>21 but I would say that I feel that I have answered</p> <p>22 it and I think that it depends on the product and</p> <p>23 the patient and the physician.</p> <p>24 BY MR. BRADFORD:</p> <p>25 Q. I'm not asking about the surgery. I'm</p>
<p style="text-align: right;">Page 159</p> <p>1 again, I think that it's up to the surgeon to know</p> <p>2 what device they're using and what the risks are</p> <p>3 associated and have those discussions with their</p> <p>4 patients.</p> <p>5 You know, if you want it pure black and</p> <p>6 white that one is good and one is bad, well, they</p> <p>7 shouldn't use the bad one, but medicine is not</p> <p>8 that way. Medicine, there's a lot of gray. So</p> <p>9 again, I think that physicians should know what</p> <p>10 they're using when they implant it.</p> <p>11 BY MR. BRADFORD:</p> <p>12 Q. So the answer is no?</p> <p>13 MR. KOOPMANN: Objection.</p> <p>14 A. Again, I --</p> <p>15 BY MR. BRADFORD:</p> <p>16 Q. How about the answer is yes, no, or I</p> <p>17 can't answer the question? Maybe that's a better</p> <p>18 way to do this. I mean --</p> <p>19 A. But I think I did answer the question.</p> <p>20 Q. I know, with a philosophical point of</p> <p>21 view that's not answering the question.</p> <p>22 I mean, look, I've told you, I don't care</p> <p>23 whether you answer yes, no, I don't know, but the</p> <p>24 question is direct. I'm going to ask it one more</p> <p>25 time.</p>	<p style="text-align: right;">Page 161</p> <p>1 asking about the device itself.</p> <p>2 A. But the devices are surgeries. They</p> <p>3 are -- I mean --</p> <p>4 Q. Okay.</p> <p>5 A. -- you can't -- you can't -- we're asking</p> <p>6 about surgical implantation of a device. It is a</p> <p>7 surgery.</p> <p>8 Q. Do you agree that a suture is a medical</p> <p>9 device?</p> <p>10 A. So I just had this conversation in the OR</p> <p>11 on Monday. I think that suture is -- so I don't</p> <p>12 list suture as a device when I do the operative</p> <p>13 report. I do say what I use. I say if it was a</p> <p>14 Vicryl or a Monocryl or a silk or whatever.</p> <p>15 I think a device is typically more</p> <p>16 involved than a simple suture.</p> <p>17 Q. You wrote an abstract comparing Abbrevio</p> <p>18 to TVT-O, correct?</p> <p>19 A. Yes.</p> <p>20 Q. And in that abstract, the conclusion was</p> <p>21 that the Abbrevio had the same efficacy as the</p> <p>22 TVT-O, correct?</p> <p>23 A. It showed similar efficacy, yes.</p> <p>24 Q. But that the Abbrevio was safer in that</p> <p>25 the Abbrevio did not cause the risk of groin pain</p>

<p style="text-align: right;">Page 162</p> <p>1 that came with the TVT-O because it's shorter and 2 did not enter as far into the obturator -- the 3 transobturator space, correct? 4 A. It didn't traverse quite as many muscles, 5 about a 10 percent difference. I think it was 6 like 9 percent for the full length and like 1 or 2 7 percent for the short, but this is a retrospective 8 study comparing two different slings but 9 retrospectively, and I think -- I can't remember 10 how many patients we had. It was like maybe 100 11 per arm or something like that over the course of 12 seven or eight years. 13 So, you know, again, does -- you know, if 14 I were to -- and I think I told you this before, 15 if I were choosing, you know, just based on my 16 choice and not on, you know, what the hospital had 17 contracted, I like the TVT-O Abbrevio. I think 18 it's a great product. 19 Would I base all of the medical knowledge 20 on that particular publication? I would not. I 21 would look at the composite, you know, and 22 literature. So, again, I like the TVT-O Abbrevio. 23 I don't think that means that the TVT-O is a bad 24 product. 25 Q. Do you think the TVT-O Abbrevio is as</p>	<p style="text-align: right;">Page 164</p> <p>1 don't base all of my medical knowledge on anything 2 even if I've published it because it's a 3 composite. 4 Q. How long a study does it take for you to 5 consider it to be long-term study? 6 A. So -- so I think that's an arbitrary 7 question. I don't know if you're asking me 8 because that particular study -- 9 Q. I'm not -- it just happened to be my next 10 question. I'm not criticizing you about the study 11 or your work. 12 A. That's okay. I'm not -- I'm not 13 defensive. 14 Q. I'm not suggesting that's a long- or a 15 short-term study. It was the next question so put 16 that study away. In general, how long -- 17 A. So I think that -- I think that what is 18 considered long-term or short-term depends on the 19 outcome you're looking at. If you're looking at 20 perioperative outcomes like bleeding and things 21 like that, a long-term study is probably going to 22 be two weeks. If you haven't had bleeding by 23 weeks, you're probably not going to have bleeding 24 from the surgery. Whereas with, you know, other, 25 like, long-term outcomes, I would want to see</p>
<p style="text-align: right;">Page 163</p> <p>1 effective as the TVT-O? 2 A. In that study that we looked at, we found 3 similar efficacy. 4 Q. Outside of that study? 5 A. In general, I think that they are similar 6 efficacy, yes. 7 Q. Would you agree that TVT-O Abbrevio is 8 safer? 9 A. I think that if you're looking at the 10 issue of groin pain, again, our studies showed 11 that there was less groin pain associated with the 12 Abbrevio than with the full length. 13 Q. Sounds like you're -- I hate to say this 14 -- but minimizing the significance of your own 15 study because it was a retrospective study over 16 only 250 patients; is that correct? 17 A. I don't think I'm minimizing it. I think 18 that I'm interpreting the data, which is what I do 19 as a physician. You would never -- I don't think 20 you would find a physician who would say the 21 retrospective study provides as much information 22 as a systematic review, for example, but it does 23 depend on which outcomes you're looking at. And 24 sometimes retrospective studies or case controlled 25 studies can, but in general, I would not -- I</p>	<p style="text-align: right;">Page 165</p> <p>1 things at, you know, a year to two years, five 2 years. 3 I'd love to see studies that follow 4 patients out 20, 30 years. Those are very 5 expensive and hard to find, but in general, in my 6 mind, short-term, I would say probably somewhere 6 7 to 12 months. Long-term would be beyond that, but 8 it would depend on the specific outcome that 9 you're asking me about. 10 Q. How long should a company study a product 11 before it launches it? 12 A. So I don't think that's up to me. I 13 think that's up to Federal regulators and I think 14 that they have mechanisms in place to determine 15 that. And, again, as I've said, I think the 16 companies should follow the Federal mandates. 17 Q. As an expert in this case and a teaching 18 physician at the University of New Mexico, do you 19 think a company should launch a midurethral sling 20 without it being studied? 21 MR. KOOPMANN: Objection. Go ahead. 22 A. So if we're talking specific about 23 midurethral sling, the way that things were set up 24 back in the '90s and early 2000s was to 25 demonstrate that the device had similar efficacy</p>

<p style="text-align: right;">Page 166</p> <p>1 to a predicate device and if that could be 2 demonstrated, it could go to market. 3 So, again, I'm suggesting that companies 4 should follow the mandate of the -- the government 5 organizations to which they subscribe. I don't 6 know exactly what was done in Scandinavia or in 7 England or in Europe, but -- to get approval for 8 the same slings. So, again, I would say that if 9 you're going to market and sell a product in a 10 nation, you should follow the mandates of that 11 government. And, again, I don't think it's fair 12 to say that they didn't have any data. If we're 13 talking specific about the sling, there were 14 predicate devices and they followed the mandates 15 of the time. 16 BY MR. BRADFORD: 17 Q. Do you know what the predicate device was 18 for the TVT? 19 A. I've heard. I don't -- I don't remember 20 off the top of my head. I know I read it as a -- 21 as a fellow and probably as a resident. I didn't 22 review it again for this. 23 Q. Do you believe that the TVT was 24 substantially similar to this claimed or alleged 25 predicate device?</p>	<p style="text-align: right;">Page 168</p> <p>1 its beginnings to the present? 2 A. Yes. 3 Q. And the same is true for the TVT-O and 4 the Abbrevio, correct? 5 A. Yes. 6 Q. Okay. So I'm going to ask the questions 7 again not -- strike that. 8 Do you have an opinion one way or the 9 other as to whether a company should have 10 performed a randomized controlled trial on a 11 product before it launches it? 12 A. Again, my feeling is the same. I think 13 that a company should follow the requirements to 14 get something to market. And if the requirements 15 by the governing organization are that it requires 16 a randomized controlled trial, then that's what it 17 needs. 18 If you were to look at the way most 19 things get to market, most things don't start with 20 randomized controlled trials. Most things start 21 with animal studies and then very small case 22 series and you work your way up through safety and 23 then get things to market, so... 24 Q. So the answer is no? 25 A. I don't think that -- I don't think an</p>
<p style="text-align: right;">Page 167</p> <p>1 A. So as with a lot of medical -- pardon me. 2 With a lot of pelvic mesh, many of the 3 predicate devices were subsequently removed from 4 the market and so I do know that. But, again, I 5 am not here to criticize nor to substantiate the 6 way the government mandated things should be done 7 at the time. And for the midurethral sling, I 8 think it's turned out quite well. There's a lot 9 of data to show that it's safe and effective. You 10 know, we have 25 years of data. Would that be how 11 I would design things if I were to do something 12 now? I probably wouldn't, but, again, things are 13 different now. 14 Q. You're here as an expert in this case to 15 talk about the TVT-O device, correct? 16 A. Yes. 17 Q. And to talk about the TVT-O device from 18 its beginning to present, right? 19 A. Uh-huh. 20 Q. Is that correct? 21 A. Yes. 22 Q. And to talk about the safety of the TVT-O 23 device from its beginning to the present, correct? 24 A. Uh-huh, yep. 25 Q. And the efficacy of the TVT-O device from</p>	<p style="text-align: right;">Page 169</p> <p>1 RCT is always required to get something to market, 2 no. I think that they should follow whatever the 3 requirements are. 4 Q. And if the requirements -- if a product 5 can come to market without an RCT, you're okay 6 with that? 7 A. If a product has gone through the 8 regulatory board and has met the requirements to 9 go to market, then I think that it can go to 10 market. 11 Q. I'm cutting out the regulations, any FDA 12 requirements, any of that stuff, okay. I'm asking 13 you as an expert in this case and as a teaching 14 professor at the University of New Mexico, do you 15 think a company should be able to launch a product 16 without performing randomized controlled trials? 17 MR. KOOPMANN: Objection. Go ahead. 18 A. Again, I -- I don't know how to answer it 19 differently. 20 I don't think that a randomized 21 controlled trial is always needed to get something 22 to market. That doesn't mean that no testing 23 should be done and there are cases where an RCT 24 should be done, but I don't -- I can't provide 25 blankets statements that would say, yes, always</p>

<p style="text-align: right;">Page 170</p> <p>1 or, no, never because the truth lies in the 2 middle. 3 BY MR. BRADFORD: 4 Q. Are you aware that the predicate device 5 for the TVT was the ProteGen sling? 6 A. I've heard of ProteGen sling, yes. 7 Q. And were you aware that the ProteGen 8 sling was removed from the market? 9 A. Yes. 10 Q. Do you think that a device should be 11 allowed to be marketed -- strike that. 12 Do you think that a device should be 13 brought to market when it's predicate device was 14 removed from the market for safety and efficacy 15 issues? 16 A. So I would say that hindsight is always 17 20/20 and if you're looking at things from a 18 historical perspective, again, I would probably 19 design things differently. 20 I would say that at the time that the 21 mandates were met. And so, you know, if that's 22 not how things should be done, and they should be 23 changed moving forward, and that is what has 24 happened. 25 Q. I'm going to ask you some questions from</p>	<p style="text-align: right;">Page 172</p> <p>1 (Whereupon, a brief recess is taken from 2 1:24 p.m. to 1:44 p.m.) 3 BY MR. BRADFORD: 4 Q. You would agree in serving as an expert 5 witness in cases like this that you have an 6 obligation to look at all information relevant to 7 the topic or subject, correct? 8 A. Yes. 9 Q. And that you have an obligation to look 10 at information that both supports your positions 11 and does not support your positions or opinions, 12 correct? 13 A. I would want to have a balanced view, 14 yes. 15 Q. Right, and that's my next question. You 16 agree that in serving as an expert in cases like 17 these, the goal and what you're required to do is 18 come to fair and balanced conclusions considering 19 all data made available to you? 20 A. So I agree with that to a certain point, 21 you know, and, again, I alluded to this or maybe I 22 said it expressly. Not all information carries 23 the same weight. 24 Q. Sure. 25 A. Right? And so part of being fair and</p>
<p style="text-align: right;">Page 171</p> <p>1 your report, first on the midurethral sling report 2 for the TVT, the TVT-O and Abbrevio. 3 A. Okay. 4 Q. Before I do this, I want to go through 5 the CV a little bit. 6 MR. BRADFORD: I'll mark it as the next 7 exhibit. 8 (Exhibit Jeppson T-10, Dr. Jeppson's 9 Curriculum Vitae, marked for identification.) 10 MR. BRADFORD: To save you some time, 11 I'll go ahead and mark the thumb drive also. 12 (Exhibit Jeppson T-11, Thumb drive, 13 marked for identification.) 14 BY MR. BRADFORD: 15 Q. I've marked Dr. Jeppson's CV that he 16 provided as Exhibit T-10 and the thumb drive that 17 they brought with them as T-11 and I think we'll 18 be taking a break now. 19 MR. KOOPMANN: And just for the record, 20 before we take a break, there's a password for 21 that thumb drive and I've got it here. 22 MS. BAGGETT: You don't want to read it 23 on the record, I don't think. We'll take a 24 picture of it. 25 MR. KOOPMANN: Yeah.</p>	<p style="text-align: right;">Page 173</p> <p>1 balanced is providing adequate weight to different 2 forms of evidence. 3 Q. Fair enough. 4 Regarding medical literature, is it 5 important to you to consider whether the study or 6 literature article are funded? 7 A. Certainly. 8 Q. And is it important for you to consider 9 who is funding articles or pieces of medical 10 literature? 11 A. Yes. 12 Q. And is it also important to you to 13 consider if the authors have any financial 14 incentive regarding medical device if they do 15 research upon it and publish that research? 16 A. Yes. When we do systematic reviews, 17 there's many different types of bias, but 18 certainly those are types of bias or potential 19 biases. 20 Q. Do you have an understanding as to the 21 pore says of the Prolene mesh used in the TVT, 22 TVT-O and Abbrevio? 23 A. Yes. 24 Q. What is that? 25 A. It's roughly 1.3 millimeters or 1300</p>

<p style="text-align: right;">Page 174</p> <p>1 microns.</p> <p>2 Q. And do you have an understanding as to</p> <p>3 the weight of the Prolene mesh used in the TVT,</p> <p>4 TVT-O and TVT Abbrevio?</p> <p>5 A. I've seen that number. I can't remember</p> <p>6 that offhand, but I have seen that.</p> <p>7 Q. Is the weight of the Prolene used</p> <p>8 significant to you?</p> <p>9 A. I think that there's an interest there,</p> <p>10 again, in kind of the geeky, nerdy theory sort of</p> <p>11 way, but, again, as I was discussing earlier,</p> <p>12 really what matters is the clinical implications</p> <p>13 and the clinical outcomes. And so I don't know</p> <p>14 that I -- you know, a practicing physician needs</p> <p>15 to know how much a certain segment of mesh weighs</p> <p>16 to know whether or not it's effective based on</p> <p>17 trials.</p> <p>18 Q. Do you think pore size is significant</p> <p>19 regarding meshes used in midurethral slings?</p> <p>20 A. I think the pore size is important in</p> <p>21 that it's been demonstrated that when pore sizes</p> <p>22 become too small, complications become higher and</p> <p>23 that's why there's type 1 mesh, type 2, type 3,</p> <p>24 type 4.</p> <p>25 Type 1 mesh is when the pore size is</p>	<p style="text-align: right;">Page 176</p> <p>1 said to another researcher regarding internal</p> <p>2 documents. If you have a device that weighs, you</p> <p>3 know, 1 gram and you have another device that</p> <p>4 weighs .9 grams, you can say one was heavy and one</p> <p>5 was light, right? It's all relative, but, again,</p> <p>6 from a clinical perspective, I don't think that</p> <p>7 matters.</p> <p>8 Q. In your review of the corporate</p> <p>9 depositions you were provided, did you come across</p> <p>10 any of those where Ethicon scientists said that</p> <p>11 the Prolene mesh was heavyweight?</p> <p>12 A. Yeah, I remember seeing internal</p> <p>13 documents, yes.</p> <p>14 Q. Do you remember seeing any deposition</p> <p>15 transcripts where the scientists were asked about</p> <p>16 it and testified that the Prolene mesh was</p> <p>17 heavyweight?</p> <p>18 A. I remember seeing that. I don't recall</p> <p>19 if they were in depositions or if it was in</p> <p>20 internal e-mails, but I know that I saw it. I'd</p> <p>21 have to go back and look at the documents to</p> <p>22 refresh my memory.</p> <p>23 Q. Do you recall seeing any internal</p> <p>24 documents where the Prolene mesh was referred to</p> <p>25 as small-pore?</p>
<p style="text-align: right;">Page 175</p> <p>1 greater than 75 microns. Type 3 or, you know, as</p> <p>2 it gets below 10 microns is when you get worried</p> <p>3 about the host immune, you know, the -- like</p> <p>4 microphages, that stuff, not being able to get</p> <p>5 into the mesh to fight infection. All the meshes</p> <p>6 we're discussing are type 1 polypropylene, which</p> <p>7 are much higher than the requisite 75 microns.</p> <p>8 Q. Do you consider the Prolene mesh used in</p> <p>9 the TVT-O to be a heavyweight mesh?</p> <p>10 A. I do not.</p> <p>11 Q. Do you consider it to be a lightweight</p> <p>12 mesh?</p> <p>13 A. I consider it to be a type 1 mesh.</p> <p>14 Q. And that's from the Amid classification?</p> <p>15 A. Correct. It was published in '97 or '98.</p> <p>16 Q. In your review of internal Ethicon</p> <p>17 documents, did you come across anywhere the</p> <p>18 company referenced the Prolene mesh used in the</p> <p>19 TVT, TVT-O and Abbrevio as heavyweight mesh?</p> <p>20 A. I did see documents that referred to it</p> <p>21 that way, yes.</p> <p>22 Q. Do you disagree with those documents?</p> <p>23 A. I think that when looking at documents,</p> <p>24 it's easy to take things out of context. I don't</p> <p>25 particularly care what one, you know, researcher</p>	<p style="text-align: right;">Page 177</p> <p>1 A. That I don't recall. And if they did, I</p> <p>2 would disagree with that. Again, just based on</p> <p>3 the Amid classification of greater than 75</p> <p>4 microns, I think larger than that's a type 1</p> <p>5 polypropylene mesh.</p> <p>6 Q. Do you recall in your review of the</p> <p>7 internal documents any documents referring to</p> <p>8 Prolene mesh as microporous?</p> <p>9 A. So I don't recall that, no.</p> <p>10 Q. Do you recall in reviewing the</p> <p>11 depositions you were provided from the Ethicon</p> <p>12 corporate witnesses, Ethicon scientists or other</p> <p>13 high-level people referring to the Prolene mesh as</p> <p>14 small-pore?</p> <p>15 A. I remember weight, heavy and light. I do</p> <p>16 not remember porosity being discussed. I'd have</p> <p>17 to go back and review that.</p> <p>18 Q. Do you agree that the TVT-O device comes</p> <p>19 with the risk of -- strike that.</p> <p>20 Do you know whether or not the IFU for</p> <p>21 the TVT-O, when it came on the market, described</p> <p>22 the risk of groin pain or leg pain?</p> <p>23 A. I've looked at the IFUs. I looked at an</p> <p>24 earlier version and a more updated version, but I</p> <p>25 don't recall offhand. I'd have to go back and</p>

<p style="text-align: right;">Page 178</p> <p>1 look.</p> <p>2 Q. Let me -- Doctor, if the TVT-O IFU, when</p> <p>3 it came to market, did not reference the risk of</p> <p>4 groin pain, should it have?</p> <p>5 A. So as we discussed earlier, you know, I</p> <p>6 think the -- I don't think the purpose of the IFU</p> <p>7 is to provide physicians with all possible</p> <p>8 outcomes or all possible complications.</p> <p>9 You know, again, I think that if there</p> <p>10 are things that are, you know, reasonably or</p> <p>11 somewhat associated with, that would be worth</p> <p>12 mentioning.</p> <p>13 Again, I would -- I would say that they</p> <p>14 should follow whatever the government mandates are</p> <p>15 for the IFU. Again, just talking to people, I</p> <p>16 think most physicians don't really reference the</p> <p>17 IFU very often, if they ever read it at all.</p> <p>18 Q. Doctor, do you recall when the first</p> <p>19 TVT-O randomized controlled trial was published?</p> <p>20 A. I don't recall. The transobturator</p> <p>21 sling, it was, I think, first approved in 2001.</p> <p>22 TVT-O, the first publication, I'd have to look.</p> <p>23 My guess is probably 2005 or '6 would be my guess,</p> <p>24 but I don't know that.</p> <p>25 Q. If the risk of groin pain is not in the</p>	<p style="text-align: right;">Page 180</p> <p>1 A. So I think that that is true for any</p> <p>2 medication or device, which is why you have</p> <p>3 medications that go through all the premarket data</p> <p>4 and get to market and then later are recalled.</p> <p>5 It's not possible to know everything from</p> <p>6 the outset. I would say that, you know, I wish</p> <p>7 that there were procedures that did not have risks</p> <p>8 or complications, but that is not the case. And</p> <p>9 so, again, you know, I know that you're focusing</p> <p>10 on the -- the groin pain issues, but, again, when</p> <p>11 looking at antiincontinence surgeries, the</p> <p>12 composite must be weighed and other surgeries also</p> <p>13 have complications.</p> <p>14 BY MR. BRADFORD:</p> <p>15 Q. Groin pain is specific to the TVT-O,</p> <p>16 correct?</p> <p>17 A. Based on where it is placed, there -- it</p> <p>18 does have a risk over retropubic slings, yes.</p> <p>19 Q. Do you think patients should be used as</p> <p>20 guinea pigs during that window of time between</p> <p>21 launch and when the literature catches up if the</p> <p>22 company doesn't warn of the risk?</p> <p>23 MR. KOOPMANN: Objection.</p> <p>24 A. So I think that the term "guinea pig" is</p> <p>25 a sensationalized term. I think that if you don't</p>
<p style="text-align: right;">Page 179</p> <p>1 IFU and there's no publications about it, how are</p> <p>2 doctors supposed to know that if the company</p> <p>3 doesn't tell them?</p> <p>4 A. So I think that with risks with any</p> <p>5 surgery, not everything is always known at the</p> <p>6 outset of a given surgery. And that is true</p> <p>7 historically for all surgeries.</p> <p>8 I think that part of using new devices</p> <p>9 is, you know -- part of studying new devices is to</p> <p>10 find out what the outcomes are. I think, you</p> <p>11 know, again, we've talked about this, and I don't</p> <p>12 know whether or not Ethicon had data to report</p> <p>13 that they knew specifically about groin pain and</p> <p>14 if they had the known rates of that. But, again,</p> <p>15 I don't think that it's up to the -- the company</p> <p>16 to provide all data to physicians.</p> <p>17 Q. Specifically as to groin pain with the</p> <p>18 TVT-O, I mean, that's a problem, right? If the</p> <p>19 device comes on the market and there's no warning</p> <p>20 of groin pain and it takes some time for that to</p> <p>21 become published on, like, that's a problem for</p> <p>22 those doctors to use it during that time window</p> <p>23 and a problem for the unfortunate patients who are</p> <p>24 implanted and don't know that, right?</p> <p>25 MR. KOOPMANN: Objection.</p>	<p style="text-align: right;">Page 181</p> <p>1 have medical progress, we would all be stuck in</p> <p>2 the 1800s without anesthesia and without</p> <p>3 appropriate surgeries. So to a certain extent,</p> <p>4 the practice of medicine is a practice.</p> <p>5 Unfortunately, it is -- it is not completely</p> <p>6 precise and, unfortunately, there have been</p> <p>7 mistakes made. You can look back at history to</p> <p>8 see evidence of those.</p> <p>9 And I don't think that patients should be</p> <p>10 used as guinea pigs, but I also don't think that</p> <p>11 patients should forego useful treatment options in</p> <p>12 fear of not providing -- in fear of possible</p> <p>13 harms.</p> <p>14 BY MR. BRADFORD:</p> <p>15 Q. The retropubic -- the TVT retropubic was</p> <p>16 already on the market when the O came out, right?</p> <p>17 A. It was.</p> <p>18 Q. Should companies develop products just</p> <p>19 for market share as opposed to patient efficacy?</p> <p>20 MR. KOOPMANN: Objection.</p> <p>21 A. So I don't know that the devices were</p> <p>22 developed specifically for market share.</p> <p>23 If you're looking specific at the TVT-O,</p> <p>24 the Monarc had already been on the market, I</p> <p>25 believe, for a couple of years, maybe two or three</p>

<p style="text-align: right;">Page 182</p> <p>1 years before they got the TVT-O to market. So</p> <p>2 there was already a device on the market that was</p> <p>3 similar to.</p> <p>4 As a practicing physician, there are</p> <p>5 times when I would prefer a transobturator sling</p> <p>6 over a retropubic sling. And so, again, there are</p> <p>7 benefits to both. And so, I don't -- I guess I</p> <p>8 don't know how to answer that question. I think</p> <p>9 both -- both procedures are good procedures and</p> <p>10 they need to be selected in appropriate patients.</p> <p>11 BY MR. BRADFORD:</p> <p>12 Q. Do you -- did Ethicon ever provide you</p> <p>13 any documents that outlined why it developed and</p> <p>14 brought the TVT over market?</p> <p>15 A. I don't recall seeing those. I may have</p> <p>16 seen them. I don't recall.</p> <p>17 Q. If there were documents where Ethicon</p> <p>18 stated it brought that device to market because it</p> <p>19 was losing market share to its competitors'</p> <p>20 obturator devices, would that surprise you?</p> <p>21 A. No. I don't think that would surprise</p> <p>22 me, but I don't know that it was losing the</p> <p>23 retropubic market. It was losing the</p> <p>24 transobturator market would be my suspicion and I</p> <p>25 would have to go back and review those documents.</p>	<p style="text-align: right;">Page 184</p> <p>1 A. It is a quality-of-life issue.</p> <p>2 Q. Right. And the implantation of</p> <p>3 midurethral slings for stress urinary incontinence</p> <p>4 is an elective procedure, correct?</p> <p>5 A. It is elective. It's not mandatory.</p> <p>6 Q. In your report you reference regarding</p> <p>7 duloxetine, that it's approved for use in Europe,</p> <p>8 but considered off-label for treatment of SUI in</p> <p>9 the U.S. Do you recall that?</p> <p>10 A. Yes.</p> <p>11 Q. Do you have an opinion as to whether</p> <p>12 European safety standards are higher than those in</p> <p>13 the United States?</p> <p>14 A. So as my opinion, I think that European</p> <p>15 standards differ from the U.S. I don't know that</p> <p>16 they're higher or lower.</p> <p>17 If looking at -- I mean, if you look</p> <p>18 across the board at like genetically modified</p> <p>19 food, they don't allow that at all. The U.S.</p> <p>20 does. I don't know if one is better than the</p> <p>21 other, but they do have different regulatory</p> <p>22 bodies, which is -- you know, I was talking about</p> <p>23 earlier, right? I think that companies should be</p> <p>24 beholden to their government.</p> <p>25 Q. You mentioned FDA standards and approval</p>
<p style="text-align: right;">Page 183</p> <p>1 And as is the case with many corporations not</p> <p>2 simply in medicine, if Apple has the best phone,</p> <p>3 well, Google will probably get involved or</p> <p>4 Microsoft may. You know, market forces are at</p> <p>5 play, but I wouldn't say that's to the detriment</p> <p>6 of patients. It's providing options.</p> <p>7 Q. Do you agree that companies such as</p> <p>8 Ethicon should put patient safety first?</p> <p>9 A. So I think that patient safety should</p> <p>10 always be an important consideration.</p> <p>11 Q. Do you agree that companies such as</p> <p>12 Ethicon should always put patient safety first?</p> <p>13 A. So, again, when we're talking about</p> <p>14 safety, I presume you're discussing the composite</p> <p>15 of risks and benefits, right? So, you know,</p> <p>16 again, I agree with being safe, but there are</p> <p>17 inherent risks or benefits to any surgery or any</p> <p>18 procedure. And so, you know, there is -- in the</p> <p>19 history, there is no -- well, I can't say that. I</p> <p>20 don't like to make absolutes.</p> <p>21 It is unlikely that there is anything</p> <p>22 that only provides benefit and has no risk and</p> <p>23 that would be true here as well.</p> <p>24 Q. Stress urinary incontinence is not life</p> <p>25 threatening; is it?</p>	<p style="text-align: right;">Page 185</p> <p>1 processes or clearance processes actually several</p> <p>2 times today. Would you agree that those are the</p> <p>3 minimum standard?</p> <p>4 A. I don't know that I have an opinion on</p> <p>5 that. I think that there are standards in place</p> <p>6 that should be met. I think that if -- I guess if</p> <p>7 you don't meet those and you can't get to market</p> <p>8 and so I guess by definition, they would be a</p> <p>9 minimum.</p> <p>10 Q. You would agree there's no requirement</p> <p>11 for a company to stop there and not warn of risk</p> <p>12 it knows about, correct?</p> <p>13 A. I don't know that I understand the</p> <p>14 question.</p> <p>15 Q. Sure.</p> <p>16 A company could certainly meet the</p> <p>17 minimum standard to have a product to the market</p> <p>18 but also warn of the risk it knows about; couldn't</p> <p>19 it?</p> <p>20 A. So a company can, yeah. It's possible.</p> <p>21 Q. And you would agree as a practicing</p> <p>22 doctor, that would be optimal for a company to</p> <p>23 actually warn of the risks it knows about,</p> <p>24 correct?</p> <p>25 MR. KOOPMANN: Objection.</p>

<p style="text-align: right;">Page 186</p> <p>1 A. So, again, I don't -- I guess I don't 2 know if you're suggesting that they report to the 3 government body that provides approval or who it 4 is that you are suggesting that they need to 5 inform, right? Like -- 6 BY MR. BRADFORD: 7 Q. More information is better, right? 8 MR. KOOPMANN: Objection. 9 A. I don't know that that's true to be 10 honest. I think that as a physician, I want as 11 much information as I could possibly get. 12 As a -- as a patient, it's hard to take 13 in -- it's hard to drink from a firehose. It's 14 hard to take in all possible information over the 15 course of 30 minutes or 15 minutes. 16 So, you know, I think that pertinent 17 information is important. I don't think it's 18 possible to know everything, even for physicians, 19 or for companies or for patients, so... 20 BY MR. BRADFORD: 21 Q. Would you agree that erosions are the 22 most common risk with midurethral slings? 23 A. I don't think so. I think -- 24 Q. What do you consider would be a more 25 common risk?</p>	<p style="text-align: right;">Page 188</p> <p>1 physicians. 2 As we discussed, my day starts usually 3 around 5:30 and ends around 10:00. I don't want 4 constant communication or constant updates from a 5 company that we did such and such study of five 6 people and we have this outcome. Again, I would 7 base things on high-level evidence, systematic 8 reviews, level 1 evidence. 9 So, you know, is more information good? 10 Yeah, but there's a point at which you can't 11 get -- I mean, you can't have everything. 12 BY MR. BRADFORD: 13 Q. Well, certainly more information about 14 one of the most common risks should be shared by 15 the company; shouldn't it? 16 MR. KOOPMANN: Objection. 17 A. But, again, I would -- I guess I would 18 counter it with, who are they sharing the 19 information? Are they providing it to government 20 organizations so that they are -- that the mandate 21 or they cover the approval and the sale, and if 22 they don't -- 23 BY MR. BRADFORD: 24 Q. To doctors and patients. 25 A. So, again, as we've discussed, I think</p>
<p style="text-align: right;">Page 187</p> <p>1 A. I think UTI is probably a higher risk 2 than erosion. 3 Q. Would you agree that erosion is the 4 second highest risk from midurethral slings? 5 A. So erosion risk, depending on what study 6 you look at, is going to be somewhere between 1 to 7 3 percent in most studies. There are outlier 8 studies that have higher rates than that, but many 9 of the risks associated with any surgery are going 10 to be kind of in that 3 to 5 percent range. So it 11 is a risk. I don't know if it's the most common 12 or second-most common. It's a known risk. 13 Q. And being either the most common or 14 second-most common risk, do you agree that 15 patients deserve to know what the company knows 16 about that risk? 17 MR. KOOPMANN: Objection. 18 A. So, again, I think that -- again, perhaps 19 it's a philosophical discussion, but based on how 20 medicine is practiced in the United States, I 21 think patients have conversations with their 22 physicians to learn the information that's 23 pertinent to them and their care. So, again, I 24 don't know that a company can or should provide 25 all information that it possibly can to</p>	<p style="text-align: right;">Page 189</p> <p>1 that physicians and patients get their information 2 from different locations than from companies. I 3 do. 4 Q. What is your opinion as to the erosion 5 rate for the TVT? 6 A. So midurethral slings in general are 7 going to be somewhere around 1 to 3 percent risk 8 of erosion or exposure or whatever you want to 9 call it. 10 Q. Sure. And so is that the same opinion 11 you would have for the TVT retropubic? 12 A. In general, they're going to be pretty 13 similar. 14 Q. Is that the same opinion for the TVT-O? 15 A. You know, again, for -- for midurethral 16 sling mesh looking at systematic reviews, the 17 rates quoted are usually somewhere around 2 18 percent, you know, plus or minus, so 1 to 3 19 percent. 20 Q. So it's your opinion that there's no 21 difference or distinction from the erosion risk 22 for the TVT, the TVT-O or the Abbrevio from the 23 general midurethral sling population? 24 A. I think they share similar risk, yes. 25 Q. What mesh are you using for your</p>

<p style="text-align: right;">Page 190</p> <p>1 abdominal sacrocolpopexy?</p> <p>2 A. So I'm using the Coloplast Empathy. It's</p> <p>3 the Restorelle. Empathy was the prior company.</p> <p>4 It's Restorelle mesh. I use the Restorelle Y or</p> <p>5 the Restorelle M.</p> <p>6 Q. And how long have you been using that</p> <p>7 mesh for your abdominal procedures?</p> <p>8 A. When I came to New Mexico, they had</p> <p>9 transitioned and so I've used it since I came</p> <p>10 here.</p> <p>11 In fellowship, I used a combination of</p> <p>12 Restorelle and the -- the -- I'm blanking on the</p> <p>13 name -- the Ethicon product, not the Prolene, but</p> <p>14 the Gynecare mesh. It was the Gynecare. I used</p> <p>15 that in fellowship and I used that in residency as</p> <p>16 well.</p> <p>17 Q. The Gynecare PS?</p> <p>18 A. Yes.</p> <p>19 Q. What is the pore size for the Restorelle</p> <p>20 Y mesh that you're using?</p> <p>21 A. The Restorelle Y is -- it's like 1800</p> <p>22 microns.</p> <p>23 Q. And what about for the Gynecare PS?</p> <p>24 A. The Gynemesh is similar. I think it's</p> <p>25 somewhere around 2,000, but I'd have to double</p>	<p style="text-align: right;">Page 192</p> <p>1 Q. Why did you change to the Y mesh?</p> <p>2 A. It's what they have at my institution.</p> <p>3 Q. Does it work better?</p> <p>4 A. I think that they're similar. Again, I</p> <p>5 haven't seen data that says that one is better</p> <p>6 than the other. There are risks and benefits to</p> <p>7 different meshes. Some people think the</p> <p>8 lightweight mesh might be better. Some people</p> <p>9 think the lighter weight mesh may lead to higher</p> <p>10 failure rates, and there's data to support one/or</p> <p>11 the other, but it's not conclusive.</p> <p>12 Q. What do you think?</p> <p>13 A. I think that if you know where you're</p> <p>14 putting the mesh and you know how to place it, I</p> <p>15 don't think it matters much.</p> <p>16 Q. In your review of the Ethicon internal</p> <p>17 documents, did you see any documents referencing</p> <p>18 what Dr. Nilsson thought about mini slings?</p> <p>19 A. Not that I recall. I'm sure that I saw</p> <p>20 it. I don't remember.</p> <p>21 Q. Yeah, and Dr. Nilsson -- you're familiar</p> <p>22 with Dr. Nilsson, of course?</p> <p>23 A. Yes.</p> <p>24 Q. What's your understanding of who</p> <p>25 Dr. Nilsson is and what's significant about him</p>
<p style="text-align: right;">Page 191</p> <p>1 check that.</p> <p>2 Q. What's the weight of the Restorelle Y</p> <p>3 mesh that you're using?</p> <p>4 A. The Restorelle is like 18 -- I always</p> <p>5 forget the units -- 18 grams per meter square or</p> <p>6 something like that.</p> <p>7 Q. I think that's right.</p> <p>8 How about the weight of the Gynemesh PS?</p> <p>9 A. And the Gynecare, I've looked at that as</p> <p>10 well and I don't remember. I know it's higher</p> <p>11 than that. The Restorelle is the lowest weight on</p> <p>12 the market. And some people think that's good.</p> <p>13 Some people think it's bad, but anyways, for the</p> <p>14 Gynecare, I don't remember offhand. 80 is in my</p> <p>15 brain, but that may not be right. It might be 80</p> <p>16 grams per meter squared, but I'd have to look.</p> <p>17 Q. Have you ever used Prolene for a</p> <p>18 sacrocolpopexy procedure?</p> <p>19 A. In training, I did.</p> <p>20 Q. When was that?</p> <p>21 A. In residency and fellowship.</p> <p>22 Q. When was the last time you used Prolene</p> <p>23 for the sacrocolpopexy?</p> <p>24 A. It would have been back in the 2012-ish</p> <p>25 probably.</p>	<p style="text-align: right;">Page 193</p> <p>1 regarding midurethral slings?</p> <p>2 A. So I could be wrong. My recollection of</p> <p>3 Dr. Nilsson, I think they're -- I'd actually have</p> <p>4 to look. In my brain, they're a German surgeon,</p> <p>5 but I could be wrong. I'd have to look.</p> <p>6 Q. All right. You cite Nilsson's reports</p> <p>7 and studies in your report on slings; is that</p> <p>8 correct?</p> <p>9 A. Uh-huh.</p> <p>10 Q. I was directing you to page 10.</p> <p>11 A. Is this it?</p> <p>12 Q. Yeah.</p> <p>13 A. I have to look. Yep.</p> <p>14 Q. All right. So does that jog your memory</p> <p>15 as to who Dr. Nilsson is?</p> <p>16 A. So with -- with many of the references, I</p> <p>17 don't necessarily know them personally or who they</p> <p>18 are. So, you know, like if you were to ask me,</p> <p>19 you know, the details from a study, you know, I</p> <p>20 could certainly do that. If you're asking about</p> <p>21 him personally, I don't know Dr. Nilsson</p> <p>22 personally.</p> <p>23 Q. Do you know what significance, if any,</p> <p>24 Dr. Nilsson had regarding the TVT sling?</p> <p>25 A. I don't remember.</p>

<p style="text-align: right;">Page 194</p> <p>1 Q. Okay. In your review of the Ethicon 2 documents, did you come across anything 3 referencing Dr. Nilsson's thoughts about 4 mechanical cut mesh versus laser cut mesh? 5 A. You know, again, as we've discussed, I 6 don't think there's much clinical significance 7 between the two. And so I'm sure that I looked at 8 the document because I looked through everything 9 that I was sent. This was somewhere around a year 10 ago. I do not remember the details. 11 Q. Okay. I'm going to ask my question again 12 so we can get a direct answer to this. 13 Sitting here today, do you recall seeing 14 anything in the internal Ethicon documents 15 regarding what Dr. Nilsson thought about 16 mechanically cut mesh versus laser cut mesh? 17 A. I do not recall. 18 Q. Sitting here today, do you have any 19 memory -- strike that. 20 Do you know who Dr. Deleval is? 21 A. Again, I've heard of the name, and I 22 don't know if Deleval is a he or she. They did 23 the TVT-O similar to Delorme with the AMS Monarc. 24 Delorme is a name I remember because they were 25 kind of the first. Deleval is, I think, specific</p>	<p style="text-align: right;">Page 196</p> <p>1 A. So the data on mini slings, most of the 2 it is based on two devices. And so if you look at 3 the Cochrane reviews in that, Steven Jeffries 4 presented on that at AUGS a few years ago. 5 So the data on mini slings was not as 6 promising, but I've heard that there may be newer 7 mini slings that are more promising. In my 8 personal practice, I don't use mini slings just 9 based on the data. If that changes, I would 10 consider using them. And to answer your question, 11 I don't believe that ACOG or AUGS or IUGA or SGS 12 or any of these have changed their position on 13 midurethral slings. 14 Q. You state in your report on pages 13 into 15 14 that, "Polypropylene monofilament, large pore 16 mesh is commonly accepted around the world as the 17 best material available for midurethral slings." 18 Do you see that? 19 A. I agree with the statement, but I don't 20 see where you're talking. It's on page 13. 21 Q. And carrying into 14. Sorry. 22 A. Yeah. 23 Q. Doctor, you're aware that in many parts 24 of the world, midurethral synthetic slings are not 25 allowed to be sold, right?</p>
<p style="text-align: right;">Page 195</p> <p>1 to Ethicon's product. 2 Q. In your review of Ethicon's internal 3 documents, do you recall seeing anything about 4 what about Dr. Deleval thought about mechanically 5 cut mesh versus laser cut mesh? 6 A. Again, I've looked at the data for laser 7 cut versus mechanical cut. It doesn't stick in my 8 head because I don't think it matters. 9 So in reviewing the data, you know, I 10 know that they did look at that as we discussed 11 earlier. I'm sure that Ethicon had a reason for 12 going from mechanically cut to laser cut. I don't 13 remember all of those details. 14 Q. Okay. I'm going to ask it again. 15 Do you recall in your review of the 16 Ethicon internal documents what thoughts, if any, 17 Dr. Deleval had regarding mechanically cut mesh 18 versus laser cut mesh? 19 A. I do not remember. I would have to 20 refresh my memory. 21 Q. You reference ACOG and AUA and AUGS and 22 SUFU in your report regarding midurethral slings. 23 Do you have an understanding whether or 24 not their more recent position statements include 25 mini slings as being acceptable devices?</p>	<p style="text-align: right;">Page 197</p> <p>1 A. I have heard that, yes. 2 Q. So that's not an accurate statement that 3 it's commonly accepted around the world as the 4 best material available for midurethral slings; is 5 it? 6 A. Well, so I would say "commonly accepted 7 around the world" means most places, not 8 everywhere. And I think that it is still accepted 9 as the best possible treatment option. 10 I know the UK did not allow the sale of 11 them for a while. My understanding is that now 12 they are back with restrictions as to who can 13 place them, again, based on the data. But, you 14 know, I'm referencing Ford's paper from 2017, 15 which is a Cochrane review. So, you know, based 16 on what Ford recorded in their Cochrane review, I 17 would agree with their statement, but that is not 18 to say that every single country everywhere offers 19 it, but that may not be true. 20 Q. You reference in the bottom paragraph on 21 page 14 in the section is your response to 22 contentions by plaintiffs' experts -- 23 A. Uh-huh. 24 Q. -- that -- I'm just going to read this. 25 "Likewise, the extensive data supporting the</p>

<p style="text-align: right;">Page 198</p> <p>1 safety and efficacy of midurethral slings does not 2 support the theory that Prolene, polypropylene in 3 the slings is cytotoxic or elicits an intense 4 chronic foreign body reaction." 5 Do you see that? 6 A. Yes. 7 Q. Okay. Removing the qualifier "intense" 8 away, would you agree that the Prolene mesh used 9 in the TVT, the TVT-O and the Abbrevo does elicit 10 a chronic foreign body reaction? 11 MR. KOOPMANN: Objection. 12 A. So, again, I think the question, at least 13 for me, from my perspective, the question becomes 14 a clinical question. If there was a lot of 15 cytotoxicity, if there were problems caused by the 16 mesh, the complication rates and the issues seen 17 with the mesh would be much, much higher. The 18 fact that, you know, the erosion rates I quoted 19 were, you know, 1 to 3 percent, it would make me 20 think that it's not -- that there may be a 21 reaction to a foreign material, but it's not 22 clinically important or clinically relevant. 23 In the pathology reports that I review 24 when I take out mesh, they do comment on, you 25 know, some inflammation around the mesh, but,</p>	<p style="text-align: right;">Page 200</p> <p>1 opportunity for a very good treatment. 2 I certainly wish that there were no 3 complications, but, again, there are no surgeries 4 that don't. In the Schimpf article, which is also 5 a reference to -- maybe it was on -- notes on this 6 page as well, you know, their conclusion is the 7 midurethral sling is the best option, and that's a 8 systematic review and they compared it to Burch 9 and pubovaginal slings. 10 BY MR. BRADFORD: 11 Q. I'll save my questioning for you on 12 Schimpf in detail for another time -- 13 A. Okay. 14 Q. -- and the flaws within Schimpf's 15 analysis. 16 My question -- backing up -- was 17 specifically regarding the chronic foreign body 18 reaction. Let me ask it again. 19 You would agree that the Prolene 20 polypropylene used in the TVT, the TVT-O and the 21 Abbrevo elicit a chronic foreign body reaction? 22 A. So, again, I think any time a foreign 23 body is implanted in the human body, there would 24 be expected to be some sort of reaction to it. I 25 do not think it clinically important.</p>
<p style="text-align: right;">Page 199</p> <p>1 again, from a microscopic view, if you're looking 2 immediately adjacent to the mesh, if there's a 3 foreign body, it wouldn't surprise me if there was 4 some sort of reaction there, but it does not 5 matter clinically because all these patients are 6 not becoming eroded and extruded and getting 7 infected and the rates are very low. 8 BY MR. BRADFORD: 9 Q. The people from whom the mesh is removed 10 are certainly having complications from the mesh, 11 be it erosions or pain or dyspareunia, correct? 12 MR. KOOPMANN: Objection. 13 A. So certainly there are patients who have 14 problems or complications with any surgery. The 15 same could be said for people with vaginal slings 16 or Burch procedures. There are also complications 17 or adverse events that can be associated and 18 happen with those. But, again, I don't think you 19 should throw the baby out with the bath water and 20 say because there's a very, very low risk of 21 complication, that no one should have the sling or 22 that it shouldn't be on the market because then 23 you're discounting the 90-plus percent of women 24 who have had significant improvement and 25 significant benefit who now will be denied the</p>	<p style="text-align: right;">Page 201</p> <p>1 Q. You would agree that reaction for the 2 midurethral slings is a chronic foreign body 3 reaction? 4 A. As we discussed earlier, the midurethral 5 sling is meant to be permanent. It does not 6 dissolve and go away. So, you know, it's a 7 chronic device. 8 Q. Are you familiar with Vypro? 9 A. I've heard of Vypro. It's the mesh that 10 I believe has Vicryl strands that dissolve and go 11 away. 12 Q. Are you familiar with Ultrapro? 13 A. It's similar. 14 Q. Do you have any understanding as to why 15 Ethicon developed Vypro and Ultrapro? 16 A. There were theories -- as we've discussed 17 with the Restorelle mesh, there were some theories 18 that perhaps less mesh is better than more mesh. 19 Q. Do you agree with that? 20 A. Again, I would base things based on the 21 data. There's not a lot of data to support the 22 quote/unquote lighter weight meshes. If there's 23 data to show that they are as effective with a 24 better safety profile, then I would say they 25 should be used. Until such time as that can be</p>

<p style="text-align: right;">Page 202</p> <p>1 demonstrated, I would stick with what is tried and 2 true, so...</p> <p>3 Q. You would agree that the Burch procedure 4 and pubovaginal slings in native tissue repair was 5 tried and true before Ethicon decided to use 6 hernia mesh in the pelvic floor; wouldn't you?</p> <p>7 A. So what I would say is the Burch was 8 first described back in the '60s. Pubovaginal 9 sling, I think was in the '60s or '70s, but I 10 don't remember exact, I think, '70s, '74 is in my 11 brain.</p> <p>12 What I would say is if it was as 13 effective, it would still be considered the gold 14 standard and the midurethral sling would not have 15 taken off to the extent that it has. Burches are 16 a much more invasive procedure than a midurethral 17 sling; so are pubovaginal slings. And, again, 18 when looking at the data, the midurethral sling 19 performs better. So, again, I am a proponent of 20 things being done safely, but I am also a 21 proponent of medical progress. And I sure hope 22 that in 2050, we are not practicing exactly the 23 same way we are in 2020 because I hope we've made 24 progress in that time.</p> <p>25 So, you know, to go back and say that the</p>	<p style="text-align: right;">Page 204</p> <p>1 polypropylene synthetic meshes; wouldn't you?</p> <p>2 MR. KOOPMANN: Objection.</p> <p>3 A. So I think that there are different ways. 4 There are knits. There are weaves. There are 5 different substances, you know, aside from Prolene 6 that have been used in meshes and so, yes, there 7 have been variations and options.</p> <p>8 BY MR. BRADFORD:</p> <p>9 Q. You would agree that it would not be 10 proper for a company to not change its mesh 11 because it would lose the studies and the data it 12 had for previous mesh?</p> <p>13 MR. KOOPMANN: Objection.</p> <p>14 A. So, you know, again, going back to the 15 prior line of questioning, you know, I think that, 16 unfortunately, in medicine, there are no way to 17 make advancements without doing studies. So, you 18 know, on the one hand, you know, we shouldn't have 19 developed a mesh because we had the Burch and the 20 pubovaginal sling, but on the other hand, we 21 should throw out all the data on the mesh in -- to 22 replace it with a different mesh.</p> <p>23 I think that, you know, if data emerges 24 and if things progress and we find that there's a 25 different mesh that is more suitable with a better</p>
<p style="text-align: right;">Page 203</p> <p>1 midurethral sling should never have been developed 2 because there was an option, I don't think is an 3 accurate statement.</p> <p>4 Q. That's a good point.</p> <p>5 You would agree that there are advances 6 in medicine generally as time goes on, correct?</p> <p>7 A. That has been the case and I hope that 8 that continues.</p> <p>9 Q. And you would agree that there have been 10 advances in polypropylene compositions for meshes 11 used in the human body, correct?</p> <p>12 A. I don't know if that is true. The 13 polypropylene mesh Prolene suture was first sold 14 back in like the -- like in '54, quite a while 15 ago, 60 years ago. And, again, I have not delved 16 -- delved, is that a word -- I have not gotten 17 into the chemical composition of all the different 18 variations of Prolene, but essentially, Prolene 19 suture is what was used in Prolene mesh.</p> <p>20 Q. Let me ask a better question.</p> <p>21 Specifically as to woven polypropylene 22 synthetic meshes, okay --</p> <p>23 A. Okay.</p> <p>24 Q. -- you would agree that there have been 25 developments over the past 20 years in woven</p>	<p style="text-align: right;">Page 205</p> <p>1 risk/benefit profile, then, yes, we should convert 2 to that. Until such time, the risk/benefit 3 profile for the current meshes available are quite 4 good, which is why people aren't jumping to get 5 away from them.</p> <p>6 BY MR. BRADFORD:</p> <p>7 Q. In your review of Ethicon's internal 8 documents, did you see anything that referenced 9 Ethicon's desire not to change the Prolene mesh 10 used in the TVT because it had all those years of 11 data and it didn't want to lose that. Did you see 12 that?</p> <p>13 A. I don't recall that, but it would make 14 sense to me. And as an aside, you know, I'm 15 surprised that someone hasn't purchased AMS's 16 Monarc because there are years and years of data. 17 It's one of the most studied products that was on 18 the market that's been -- the company just stopped 19 making it. So, you know, it wouldn't surprise me 20 if a company has something that has a good safety 21 profile, a good risk/benefit profile to not want 22 to go away from that. That would make sense, but 23 I don't remember seeing that specific 24 communication.</p> <p>25 BY MR. BRADFORD:</p>

<p style="text-align: right;">Page 206</p> <p>1 Q. If there's a safer mesh available for 2 midurethral slings, Ethicon should use it; 3 shouldn't they? Let me ask a better question, 4 sorry.</p> <p>5 If there is a safer mesh that has the 6 same or similar efficacy for its midurethral 7 slings, Ethicon should use that mesh; shouldn't 8 it?</p> <p>9 A. So, again, if we're talking hypothetical 10 or theoretic, yes, if you can find something that 11 is a safer and better, but I think that if you 12 have something that is already safe and good, you 13 need to demonstrate similar efficacy and similar 14 safety before you jump to said product.</p> <p>15 Q. You reference in your report on page 16 16 that it is, quote, "Pure speculation or conjecture 17 to purport or state that mesh slings with larger 18 pore sizes or lighter weight mesh than the typical 19 type 1 polypropylene mesh would have been safer or 20 more effective."</p> <p>21 Do you see that?</p> <p>22 A. Yep, I see it.</p> <p>23 Q. You would agree there in internal Ethicon 24 documents that show the company knew the larger 25 pored, lighter weight mesh was safer; don't you?</p>	<p style="text-align: right;">Page 208</p> <p>1 immediacy after surgery and then longer term. So, 2 you know, I think that as far as, you know, 3 transient, there's a transient healing period 4 after any surgery that is transient and patients 5 heal.</p> <p>6 You know, we've talked earlier about the 7 chronic nature of the implanted device. The 8 device is permanent. It is meant to stay in place 9 for a long -- for -- really for life. It's not 10 intended to be removed. So as such, there is a 11 transient healing, but then there's a chronic 12 device in place.</p> <p>13 Q. What's "transient" mean to you?</p> <p>14 A. "Transient" to me means something that 15 would last for a certain period of time and then 16 pass.</p> <p>17 Q. And it's your opinion that Prolene mesh 18 elicits a minimal inflammatory reaction?</p> <p>19 A. My clinical experience is that, yes, it 20 does elicit a minimally inflammatory response. 21 There's not a lot of inflammation around mesh. 22 Even when you go in and take it out, there's not 23 all this like grossly evident irritation 24 inflammation.</p> <p>25 Q. Is it your opinion that that reaction is</p>
<p style="text-align: right;">Page 207</p> <p>1 A. I don't know that I would agree with 2 that.</p> <p>3 I would say, again, when I'm making my 4 medical decisions, I'm basing it on primarily 5 level 1 evidence. There is a lot of good evidence 6 supporting the use of midurethral slings. I have 7 not seen in published research studies or 8 published data that show that a larger pore mesh 9 is safer or more effective. So, you know, again, 10 if they have internal documents that show that, 11 then they should continue to do studies and bring 12 it to market. Until such time, I think that what 13 we have is what is should be used.</p> <p>14 Q. You would agree that the IFU for the TVT, 15 the TVT-O and the TVT Abbrevo state that Prolene 16 mesh elicits a minimal inflammatory reaction in 17 tissue based on animal studies, correct?</p> <p>18 A. That rings a bell. That sounds right. 19 I'd have to look at the IFU, but I believe that to 20 be the case.</p> <p>21 Q. Right. And the IFU goes on further to 22 say that, "The reaction is transient," correct?</p> <p>23 A. So, again, as we had discussed earlier, 24 any time a surgery is performed, there are healing 25 factors and healing issues related to the</p>	<p style="text-align: right;">Page 209</p> <p>1 transient in the TVT, TVT-O and Abbrevo?</p> <p>2 A. Again, during the healing process, the 3 healing process is a transient period.</p> <p>4 THE COURT REPORTER: I think I need five 5 minutes.</p> <p>6 MR. BRADFORD: Sure.</p> <p>7 (Whereupon, a brief recess is taken from 8 2:36 p.m. to 2:43 p.m.)</p> <p>9 BY MR. BRADFORD:</p> <p>10 Q. All right, Doctor, we're getting there. 11 You've got some opinions regarding 12 general sacrocolpopexy for prolapse, correct?</p> <p>13 A. Yes, sir.</p> <p>14 Q. All right. I don't want to get a whole 15 lot deep into that. I've asked some questions a 16 little bit about it already, but you agree that 17 the procedure itself is better to repair prolapse 18 abdominally than vaginally; wouldn't you?</p> <p>19 A. I think it depends on the patient, their 20 age and the degree or stage of prolapse.</p> <p>21 Q. Tell me more about that.</p> <p>22 A. So I think that the medical literature 23 supports the safety and efficacy of 24 sacrocolpopexy. There are Cochrane reviews and 25 other systematic reviews that consider it the gold</p>

<p style="text-align: right;">Page 210</p> <p>1 standard, and many providers think it's the gold 2 standard. I think it's a very good option. I 3 also think that vaginal surgeries can be good 4 options for certain patients. 5 The long-term success rates of 6 sacrocolpopexy are better. It's a more durable 7 procedure, but there are different risks 8 associated with the different procedures. 9 Q. Would you agree that if the doctor 10 decides to use Prolene mesh in a sacrocolpopexy 11 procedure, that's the same Prolene mesh that's 12 used in the TVT and the TVT-O and the Abbrevo, 13 correct? 14 A. Again, it's the type 1 polypropylene 15 mesh. The chemical composition, it's very 16 similar, if not in the same, but I'd have to look. 17 Q. Right. And I'm -- essentially Prolene is 18 Prolene, right? 19 A. So polypropylene, you know, in general, 20 they are similar. It does depend on if it's 21 knitted or woven or pore size, you know, that kind 22 of stuff does come into play. So, yeah, you can't 23 blanketly say that they're always the same, but 24 type 1 polypropylene mesh, they should be similar. 25 Q. If a surgeon uses Prolene mesh, the</p>	<p style="text-align: right;">Page 212</p> <p>1 take it out and find that it's disintegrating and 2 falling apart. It has very similar properties 3 when removed as though it did when it was placed. 4 Q. Let me ask you some questions about mesh 5 contraction. 6 You would agree that the Prolene mesh 7 contracts when implanted in the body? 8 A. So in the literature that I have reviewed 9 and data that I reviewed from studying for my 10 boards, you know, it's about 10 percent over the 11 first year. 12 Q. In your review of Ethicon internal 13 documents, did you come across any that find a 14 higher rate of contraction than 10 percent? 15 A. So there are reports, I think some that 16 go up to 30 percent. 17 Again, based on clinical experience and 18 having implanted many, many different 19 sacrocolpopexy meshes and followed patients over a 20 long period of time and seen patients back by my 21 partners who have treated them many, many years 22 ago, there is not significant clinical 23 contracture. So, you know, if mesh were 24 contracting by 50 percent, you'd expect to see 25 significantly higher complication rates, which we</p>
<p style="text-align: right;">Page 211</p> <p>1 Ethicon Prolene mesh for an abdominal procedure 2 for prolapse, that's a different cut and a 3 different size, but it's the same core mesh that's 4 used in the TVT, correct? 5 A. Again, my understanding is they are very 6 similar. 7 Q. I'm going to ask you about degradation. 8 We talked -- we kind of bounced -- touched on it, 9 but I want to ask you some questions about 10 degradation for the Prolene mesh. 11 Do you agree that Prolene mesh degrades 12 in the body? 13 A. So I don't think that it does degrade in 14 the body. 15 Q. Have you seen any internal Ethicon 16 documents that are contrary to your opinion? 17 A. I have. 18 Q. And have you seen any Ethicon witness -- 19 corporate witness depositions that are contrary to 20 your opinion? 21 A. Yeah, there are some contrarian views. 22 Based on clinical experience and based on overall 23 published literature, it is intended to be a 24 permanently-implanted device, but I don't go back 25 later and find mesh that needs to be removed and</p>	<p style="text-align: right;">Page 213</p> <p>1 don't see. 2 Q. So in your practice, you've not seen that 3 clinically, correct? 4 A. Clarify what? What do you mean I haven't 5 seen? 6 Q. Thank you. 7 In your practice, it's your testimony 8 that you have not seen contraction rates or 9 contraction amounts of more than 10 percent, 10 correct? 11 A. So, you know, again, it's a proportion, 12 but based on my clinical experience, I would say 13 that it's in line with the literature that I've a 14 seen that quotes somewhere around 10 percent. 15 Q. I believe your reliance list indicates 16 you reviewed the work and deposition of 17 Drs. Klinge and Klosterhalfen. 18 Do you recall what they said about mesh 19 degradation and contraction? 20 A. I'd have to review it to refresh my 21 memory. 22 Q. Sitting here today, do you know how 23 Dr. Klinge is? 24 A. I've heard the name, but I don't recall 25 details.</p>

<p style="text-align: right;">Page 214</p> <p>1 Q. Sitting here today, do you know who 2 Dr. Klosterhalfen is?</p> <p>3 A. So I don't remember for sure. I -- I 4 could take a guess, but I don't remember exactly 5 who Dr. Klosterhalfen is; a German surgeon maybe. 6 I think that sounds more like her name, but I 7 don't remember.</p> <p>8 Q. I hate to do this just after the other 9 break, but I'm going to take a step out and go 10 through some notes. I think I'm about done.</p> <p>11 MR. KOOPMANN: Sure.</p> <p>12 (Whereupon, a brief recess is taken from 13 2:50 p.m. to 2:59 p.m.)</p> <p>14 BY MR. BRADFORD:</p> <p>15 Q. Doctor, I'm going to ask some questions 16 about Exhibit T-10.</p> <p>17 A. Okay.</p> <p>18 Q. That's your CV, correct?</p> <p>19 A. Yes, sir.</p> <p>20 Q. All right. And on there you listed a lot 21 of things. I want to go through a couple to make 22 sure I've got a thorough understanding of certain 23 parts.</p> <p>24 On page -- I'm sorry. The pages aren't 25 numbered, but on the portion under, "Invited</p>	<p style="text-align: right;">Page 216</p> <p>1 Q. Correct.</p> <p>2 And that one is regarding pelvic organ 3 prolapse surgery, correct?</p> <p>4 A. Which one?</p> <p>5 Q. The first one.</p> <p>6 A. Oh, No. 1?</p> <p>7 Q. Yes, sir.</p> <p>8 A. Yes.</p> <p>9 Q. And the second one involves prolapse 10 severity, correct?</p> <p>11 A. Yep.</p> <p>12 Q. Okay. And as you look through this with 13 me, I'm looking for prolapse, SUI, treatment, 14 meshes, non-meshes, nonsurgical, surgical 15 whatever, okay?</p> <p>16 A. Okay.</p> <p>17 Q. Just to be sure I'm not missing any, 18 there's No. 1, No. 2, No. 22? Take your time. 19 I'm not trying to rush you.</p> <p>20 A. Yeah.</p> <p>21 Q. On the page you're looking at now, 22 Doctor, I have No. 22 marked?</p> <p>23 A. Yep.</p> <p>24 Q. We've talked a bit about that study; 25 haven't we?</p>
<p style="text-align: right;">Page 215</p> <p>1 Lectures" --</p> <p>2 A. Yep.</p> <p>3 Q. Let me tell you what I've done. I've 4 looked through it to try to identify what has to 5 do with stress urinary incontinence, midurethral 6 slings or other treatments for stress urinary 7 incontinence, okay?</p> <p>8 A. Okay.</p> <p>9 Q. And under, "Invited Lectures," I see the, 10 "November 2014, Cadaveric Lab Presentation," you 11 did in Vancouver, correct?</p> <p>12 A. Yes.</p> <p>13 Q. That's the only one I see for your 14 invited lectures that has anything to do with 15 stress urinary incontinence, synthetic meshes or 16 nonsynthetic meshes or surgical or nonsurgical 17 treatment of SUI. Am I missing any?</p> <p>18 A. No.</p> <p>19 Q. All right. I want to next talk about the 20 publications that are peer reviewed.</p> <p>21 A. Okay.</p> <p>22 Q. The first one you're listed as an author 23 and a string of others, correct?</p> <p>24 A. I'm listed as -- I'm an author or 25 coauthor of all of these.</p>	<p style="text-align: right;">Page 217</p> <p>1 A. We have.</p> <p>2 Q. And I have No. 29 marked.</p> <p>3 A. Okay.</p> <p>4 Q. Any others on that page involving the 5 topics that we -- that I mentioned just earlier?</p> <p>6 A. So you said 21. 21 is prolapse. 22 is 7 sling. 23 is prolapse.</p> <p>8 Q. 26 is prolapse also? I think I looked at 9 this for slings actually.</p> <p>10 A. Okay. 29 is sling.</p> <p>11 Q. Any others?</p> <p>12 A. I don't know. There are -- maybe they're 13 not. I thought I put them on. I have -- but I 14 don't see them, but they're treatment of urinary 15 incontinence, but there is Annals of Internal 16 Medicine that has been published recently and 17 another -- those are all on urinary incontinence, 18 but they're not surgical. I don't know if that 19 matters.</p> <p>20 Q. It does. No, I'm curious about them.</p> <p>21 MR. BRADFORD: Can you get them to me?</p> <p>22 MR. KOOPMANN: Yeah.</p> <p>23 A. I don't know if -- I always keep my CV 24 updated. I'm surprised that they're not here.</p> <p>25 MR. KOOPMANN: I can get you an updated</p>

<p style="text-align: right;">Page 218</p> <p>1 CV once he adds those.</p> <p>2 MR. BRADFORD: Sure.</p> <p>3 A. I don't know where they went though.</p> <p>4 That's the weird thing. They should be on here.</p> <p>5 Yeah, there's -- there are three more. One is a</p> <p>6 PCORI/NIH funded study about nonsurgical treatment</p> <p>7 of SUI -- of UI, just in general.</p> <p>8 BY MR. BRADFORD:</p> <p>9 Q. That is on here.</p> <p>10 A. Is that on here somewhere? It should be</p> <p>11 under, "Publications," though. That would be</p> <p>12 listed as a funding source, but the study is done</p> <p>13 and published and so it should be somewhere right</p> <p>14 around 7 and it's not.</p> <p>15 MR. KOOPMANN: Is it in the CV that's</p> <p>16 been included in the binders?</p> <p>17 THE WITNESS: Oh, maybe. It might be in</p> <p>18 the updated one. Let me see. No, this is the</p> <p>19 same one. I must -- it must have been omitted.</p> <p>20 Those are abstracts. Yeah, it's -- so this is an</p> <p>21 outdated CV. So 9 and 10 and 13 are nonsurgical</p> <p>22 treatments of urinary incontinence in women.</p> <p>23 So one is an update for the AHRQ and</p> <p>24 PCORI. It's an NIH funding organization. That</p> <p>25 was published in August of 2018.</p>	<p style="text-align: right;">Page 220</p> <p>1 Did that carry over into some of the</p> <p>2 issues that you're giving opinions about today?</p> <p>3 A. I don't think so.</p> <p>4 Q. It didn't read like it would, but I</p> <p>5 wanted to double check.</p> <p>6 A. Yeah, I'm not speaking for -- for them.</p> <p>7 Q. Great.</p> <p>8 A. That's what these studies came from.</p> <p>9 Nos. 1 and 2 were PFDN studies.</p> <p>10 Q. Under your abstracts, I want to ask you</p> <p>11 about No. 21.</p> <p>12 A. Okay.</p> <p>13 Q. Okay. What do you remember, if anything,</p> <p>14 about that post or presentation?</p> <p>15 A. So that post or presentation became the</p> <p>16 publication that you asked me about earlier.</p> <p>17 Q. Thank you.</p> <p>18 A. It's just the same project. Typically</p> <p>19 with research, you get results. You submit to a</p> <p>20 meeting, present at the meeting and then go on to</p> <p>21 publication.</p> <p>22 Q. Thank you, Doctor.</p> <p>23 And then on No. 28?</p> <p>24 A. Yep.</p> <p>25 Q. Okay. It's -- what do you recall, if</p>
<p style="text-align: right;">Page 219</p> <p>1 And then No. 9 is, "Adverse events</p> <p>2 associated with nonsurgical treatments of urinary</p> <p>3 incontinence in women; a systematic review." That</p> <p>4 was accepted to the Journal of General Internal</p> <p>5 Medicine. And then there's a, "Nonsurgical</p> <p>6 treatment for urinary incontinence in women;</p> <p>7 systematic review and network metaanalysis," and</p> <p>8 that was in the Annals of Internal Medicine.</p> <p>9 So I think those are pertinent, but this</p> <p>10 is my most recent. I'm not sure how old this CV</p> <p>11 is, March of '18. So this CV is a year old. This</p> <p>12 one is my recent.</p> <p>13 BY MR. BRADFORD:</p> <p>14 Q. It's dated April 12th of '19?</p> <p>15 A. Yeah.</p> <p>16 Q. So we have that so there's no reason to</p> <p>17 mark it separately?</p> <p>18 A. Correct, it's already marked.</p> <p>19 Q. And then regarding the grants, we</p> <p>20 mentioned the AHRQ grant for, "Nonsurgical</p> <p>21 treatments for urinary incontinence in adult</p> <p>22 women," correct?</p> <p>23 A. Yep.</p> <p>24 Q. And then on No. 4, there's an NIH grant</p> <p>25 regarding pelvic floor disorders.</p>	<p style="text-align: right;">Page 221</p> <p>1 anything, about that oral presentation?</p> <p>2 A. I can remember everything about it. Do</p> <p>3 you want me to tell you about it?</p> <p>4 It was also published, but that was</p> <p>5 published in Obstetrics and Gynecology. So if you</p> <p>6 go to my publication list, it will be No. 29.</p> <p>7 Q. Let me ask a couple of questions about</p> <p>8 it.</p> <p>9 We did a search of you and that actually</p> <p>10 showed up in Ethicon's database and the -- and I</p> <p>11 found it actually way, way too early this morning</p> <p>12 and it -- do you recall on the schedule, it was</p> <p>13 under a session titled Tips and Tricks. Do you</p> <p>14 recall that?</p> <p>15 A. Yeah, it was at SGS.</p> <p>16 Q. And what are Tips and Tricks?</p> <p>17 A. So different medical societies have --</p> <p>18 their meetings are planned different ways. Tip</p> <p>19 and Trick could be more like a way to handle</p> <p>20 something maybe in a new or novel way or something</p> <p>21 different than has been described before.</p> <p>22 Q. Right. Sometimes that can be different</p> <p>23 from what's in the IFU, for example?</p> <p>24 A. Potentially, yeah.</p> <p>25 Q. All right. And do you recall how long</p>

<p style="text-align: right;">Page 222</p> <p>1 that presentation was?</p> <p>2 A. I don't recall, five minutes, five to</p> <p>3 eight minutes would be my guess.</p> <p>4 Q. That's about what I thought too. We can</p> <p>5 put the CV away. Put the binder back up too</p> <p>6 before I lose it.</p> <p>7 Dr. Jeppson, these slings that you've</p> <p>8 talked about today, they are identified as being</p> <p>9 tension-free, correct?</p> <p>10 A. Yes.</p> <p>11 Q. Would you agree that they're not truly</p> <p>12 tension-free?</p> <p>13 A. I think it depends on how you define</p> <p>14 "tension." When I place them and when I teach the</p> <p>15 fellows and residents how to place them, we do</p> <p>16 want them to be tension-free or not tight, I guess</p> <p>17 would be the synonym. If they're too tight, they</p> <p>18 tend to be obstructive and patients have a hard</p> <p>19 time voiding. So you want it quote/unquote tight</p> <p>20 enough that they don't leak but not so tight that</p> <p>21 they can't pee.</p> <p>22 Q. So is it fair to say you want them</p> <p>23 tensioned enough that they work but not so</p> <p>24 tensioned that it causes obstruction or other</p> <p>25 problems?</p>	<p style="text-align: right;">Page 224</p> <p>1 A. So, you know, any time anyone has</p> <p>2 surgery, there is a risk of, you know, abdominal</p> <p>3 incisions, everything. There are nerves in the</p> <p>4 area because there are nerves for sensation in the</p> <p>5 body. I don't know that I would expect them to be</p> <p>6 encapsulated or entrapped. They are probably</p> <p>7 severed or interrupted as the mesh passes, but,</p> <p>8 again, the mesh burden or the mesh diameter is so</p> <p>9 small that the -- it does not effect any major</p> <p>10 nerves. It shouldn't effect major nerves.</p> <p>11 Q. Would you agree that the contraction</p> <p>12 process can affect the nerves of the pelvic floor?</p> <p>13 A. So, you know, again, as we've discussed,</p> <p>14 you know, I think mesh does contract to a certain</p> <p>15 extent during the healing phase and after</p> <p>16 implantation. We've discussed that the pain is a</p> <p>17 known risk factor of mesh insertion and mesh</p> <p>18 placement. Could some of that be due to the</p> <p>19 slight contraction? Possibly. Could it be due to</p> <p>20 the surgical implantation? Possibly. You know,</p> <p>21 again, these risks are present with pubovaginal</p> <p>22 slings, which are placed in a very similar</p> <p>23 location and different nerve issues could be found</p> <p>24 with Burch surgeries, which are placed in, you</p> <p>25 know, a different location but still would</p>
<p style="text-align: right;">Page 223</p> <p>1 A. I think that is what I'm saying, but, you</p> <p>2 know, I think that is tension-free. They should</p> <p>3 just kind of sit underneath the urethra. They</p> <p>4 should be at the midurethra.</p> <p>5 Q. Doctor, do you agree that in certain</p> <p>6 patients the midurethral slings that we've talked</p> <p>7 about today can cause nerve entrapment?</p> <p>8 A. So I think there can be neurogenic pain</p> <p>9 issues. When I think of a nerve entrapment, I</p> <p>10 think of actually placing a suture or something</p> <p>11 around a nerve to -- to wrap around and entrap it.</p> <p>12 Based on the anatomy, there are, of</p> <p>13 course, nerves everywhere in the body and in the</p> <p>14 pelvis, but there's not a discrete nerve that</p> <p>15 would be wrapped around. It's not like when you</p> <p>16 do a laparoscopy in closed in port sites, you can</p> <p>17 close the ilioinguinal or hypogastric nerves and</p> <p>18 it's things like that that would cause quite a bit</p> <p>19 of pain. There's not a discreet nerve like that.</p> <p>20 These would be branches of the pudendal nerve,</p> <p>21 which comes in from the lateral side walls and</p> <p>22 migrates medially.</p> <p>23 Q. So there can be branches of nerves that</p> <p>24 might be entrapped or encapsulated in mesh in</p> <p>25 certain patients?</p>	<p style="text-align: right;">Page 225</p> <p>1 traverse the abdominal wall and pelvis.</p> <p>2 Q. Would you agree that if the pore size is</p> <p>3 too small for a synthetic mesh, it can increase</p> <p>4 the risk of infection, erosions and exposures?</p> <p>5 MR. KOOPMANN: Objection. Go ahead.</p> <p>6 A. So that has been demonstrated by the Amid</p> <p>7 and subsequent papers and, you know, there's quite</p> <p>8 a bit of literature around that. Again, I think</p> <p>9 it depends on how you define, you know,</p> <p>10 quote/unquote, too small. But in general, a type</p> <p>11 1 mesh is greater than 75 microns.</p> <p>12 BY MR. BRADFORD:</p> <p>13 Q. Would you agree that in general a less</p> <p>14 stiff mesh is better?</p> <p>15 A. So, you know, again, stiffness is</p> <p>16 somewhat relative. From the perspective of, you</p> <p>17 know, physiologic range in the human body, you</p> <p>18 know, I don't know that there's a whole lot of</p> <p>19 difference in the different types of meshes that</p> <p>20 we were discussing. You know, the perfect mesh</p> <p>21 would be just the right stiffness, not too stiff,</p> <p>22 not to lacks. But, again, you know, I don't know</p> <p>23 how you're defining "stiff." Meshes are</p> <p>24 inherently stiffer than the human body, which is</p> <p>25 why they're used because the human body is having</p>

<p style="text-align: right;">Page 226</p> <p>1 issues with leaking and prolapse.</p> <p>2 Q. You would agree that meshes closer to</p> <p>3 replicating the tissue within the pelvis or pelvic</p> <p>4 floor is better than overly-stiff mesh?</p> <p>5 MR. KOOPMANN: Objection.</p> <p>6 A. So, again, I think that when we're</p> <p>7 talking about mesh and what's been published on</p> <p>8 mesh, I would defer to the medical literature as</p> <p>9 to, you know, what is the best.</p> <p>10 You know, mesh has been shown to be</p> <p>11 better than biologics, certainly for slings and</p> <p>12 for sacrocolpopexy. So, you know, again, it needs</p> <p>13 to be stiff enough. You don't want it to be too</p> <p>14 stiff, but it all depends on how you define</p> <p>15 "stiff" and what stiffness is.</p> <p>16 BY MR. BRADFORD:</p> <p>17 Q. I think I've been through this, but</p> <p>18 briefly, you've never helped a company get a</p> <p>19 product through the 510(k) process; have you?</p> <p>20 A. So the 510(k) process for meshes was</p> <p>21 replaced by the 522 process. Some of the</p> <p>22 organizations have collected data for those types</p> <p>23 of things. I have been involved in studies</p> <p>24 through the PFDN, looking specifically at pelvic</p> <p>25 mesh that I think will be used for their 522</p>	<p style="text-align: right;">Page 228</p> <p>1 Q. Just some brief followup and, again,</p> <p>2 reminder to try to direct your answers to the</p> <p>3 court reporter since I'm sitting next to you.</p> <p>4 And just for the record, my name is Barry</p> <p>5 Koopmann and I represent Ethicon and Johnson &</p> <p>6 Johnson and I have some follow-up questions for</p> <p>7 you, Dr. Jeppson, okay?</p> <p>8 A. Okay.</p> <p>9 Q. Just so I'm clear, did you review more</p> <p>10 medical literature than the medical literature</p> <p>11 that has been included in these binders today?</p> <p>12 A. Yes.</p> <p>13 Q. Have you also in the course of your work</p> <p>14 in the pelvic mesh litigation over the past year</p> <p>15 or so reviewed several plaintiffs' experts'</p> <p>16 reports?</p> <p>17 A. Yes.</p> <p>18 Q. And do some of those plaintiffs' experts'</p> <p>19 reports that you've read reference internal</p> <p>20 Ethicon or Johnson & Johnson company documents?</p> <p>21 A. Yes, they do.</p> <p>22 Q. And did those reports sometimes</p> <p>23 paraphrase and or even quote those internal</p> <p>24 company documents?</p> <p>25 A. Yes.</p>
<p style="text-align: right;">Page 227</p> <p>1 processes. Part of the FDA mandate that came out</p> <p>2 on April 16th or 15th, whenever that was, is that</p> <p>3 the companies need to continue those studies and</p> <p>4 continue to follow patients. So I have not been</p> <p>5 paid by the companies to perform those studies or</p> <p>6 to report on them, but I have been involved in</p> <p>7 studies that will be used by companies for their</p> <p>8 products, so...</p> <p>9 Q. You haven't been hired in this case to</p> <p>10 serve as an expert regarding the FDA; have you?</p> <p>11 MR. BRADFORD: Counsel, can you help us</p> <p>12 on this one?</p> <p>13 MR. KOOPMANN: I will stipulate that he</p> <p>14 is not being disclosed as an FDA regulatory</p> <p>15 expert.</p> <p>16 BY MR. BRADFORD:</p> <p>17 Q. And you're not an expert regarding the</p> <p>18 PMA approval or clearance process; are you?</p> <p>19 A. So, again, I would defer to the</p> <p>20 regulatory bodies regarding those.</p> <p>21 MR. BRADFORD: Thank you, Doctor. Those</p> <p>22 are all the questions I have. I appreciate your</p> <p>23 time.</p> <p>24 THE WITNESS: Thank you.</p> <p>25 EXAMINATION BY MR. KOOPMANN:</p>	<p style="text-align: right;">Page 229</p> <p>1 Q. And you've reviewed those reports in the</p> <p>2 course of forming your opinions in this case; is</p> <p>3 that true?</p> <p>4 A. Yes.</p> <p>5 Q. When you have a patient referred to you</p> <p>6 to treat a complication after a pelvic surgery,</p> <p>7 whether it's mesh or non-mesh and you didn't</p> <p>8 perform the initial surgery that was done to treat</p> <p>9 that patient's incontinence or prolapse, do you</p> <p>10 try to get the medical records from that initial</p> <p>11 surgery done by some other surgeon if you're</p> <p>12 thinking about removing some portion of the mesh</p> <p>13 from that patient?</p> <p>14 A. Yes. I would always prefer to know what</p> <p>15 was placed and how it was placed. It's not always</p> <p>16 possible, but I would prefer that.</p> <p>17 Q. One of the -- you were asked some</p> <p>18 questions earlier about studies that you've looked</p> <p>19 at that compare laser cut mesh versus mechanically</p> <p>20 cut mesh. Do you remember those questions</p> <p>21 generally?</p> <p>22 A. Yes.</p> <p>23 Q. In your midurethral sling general report,</p> <p>24 did you cite a study by an author, lead author</p> <p>25 named Rusavy titled, "Are the same tapes really</p>

<p style="text-align: right;">Page 230</p> <p>1 the same? Ultrasound study of laser cut and 2 mechanically cut TVT-O postoperative behavior"?</p> <p>3 A. Yes.</p> <p>4 Q. And what's your recollection of what that 5 study showed with respect to laser cut versus 6 mechanically cut slings?</p> <p>7 A. So I would have to review it for the full 8 details, but my general recollection is that there 9 is a difference between the two, but it doesn't 10 seem to be clinically important.</p> <p>11 Q. Do the systematic reviews and 12 metaanalyses that you've relied on in the course 13 of forming your opinions in this case, do those 14 look at all of the available information that 15 meets the authors' inclusion criteria regardless 16 of whether it's favorable or not favorable 17 regarding the device?</p> <p>18 MR. BRADFORD: Form.</p> <p>19 A. I'm sorry. Could you repeat the 20 question?</p> <p>21 BY MR. KOOPMANN:</p> <p>22 Q. Sure. Do the systematic reviews and 23 metaanalyses that you've relied on, looked at, for 24 the purpose of forming your opinions in this case, 25 do those look at all of the available information</p>	<p style="text-align: right;">Page 232</p> <p>1 discussed previously.</p> <p>2 BY MR. KOOPMANN:</p> <p>3 Q. Could one company e-mail indicating that 4 one mesh is safer than the mesh in the TVT, TVT-O 5 or TVT Abbrevio establish for you that that mesh is 6 safer than the TVT, TVT-O or TVT Abbrevio mesh?</p> <p>7 MR. BRADFORD: Form.</p> <p>8 A. No. That would represent one person's 9 opinion and may be interesting but would not 10 overly sway the large body of evidence.</p> <p>11 BY MR. KOOPMANN:</p> <p>12 Q. Do your general reports regarding the 13 TVT, TVT-O and TVT Abbrevio and your report 14 regarding the Prolene mesh and Gynemesh PS as used 15 in sacrocolpopexy procedures, do they contain your 16 opinions regarding the safety and efficacy of 17 those mesh products?</p> <p>18 A. Yes.</p> <p>19 Q. And do you hold the opinions that you set 20 forth in your general reports that have been 21 marked as exhibits today to a reasonable degree of 22 medical certainty?</p> <p>23 A. Yes.</p> <p>24 Q. And do you hold the opinions that you've 25 offered today in this deposition to a reasonable</p>
<p style="text-align: right;">Page 231</p> <p>1 that meets the authors' inclusion criteria 2 regardless of whether it's favorable or not 3 favorable regarding the device?</p> <p>4 MR. BRADFORD: Form.</p> <p>5 A. Yes, yes. That is how systematic reviews 6 are designed.</p> <p>7 BY MR. KOOPMANN:</p> <p>8 Q. You were asked some questions earlier 9 about sort of a hypothetical situation where if 10 there's a mesh with similar efficacy -- if there 11 are two meshes with similar efficacy, should the 12 company use the mesh that has -- that is safer? 13 Do you remember those questions generally?</p> <p>14 A. Yes.</p> <p>15 Q. Could one study show that one mesh is 16 safer than the mesh that's used in the TVT, TVT-O 17 or TVT Abbrevio mesh in your opinion at this point?</p> <p>18 MR. BRADFORD: Form.</p> <p>19 A. So I think that composite knowledge is 20 what is important for medical care. And so I 21 would not base, you know, my foundation of 22 knowledge on one study but rather the composite 23 information from a multitude of studies, 24 preferably high-quality studies such as randomized 25 controlled trials or systematic reviews as I've</p>	<p style="text-align: right;">Page 233</p> <p>1 degree of medical certainty?</p> <p>2 A. Yes.</p> <p>3 Q. Generally speaking, what are the bases 4 for the opinions that you've offered here today in 5 terms of your background information?</p> <p>6 A. So as previously discussed, you know, my 7 medical knowledge is based on a composite of life 8 experience, patient treatment, review of medical 9 literature, medical school learning, residency and 10 fellowship, as well as, you know, textbook reading 11 and keeping up with the literature in general. So 12 it's the composite of experience and knowledge.</p> <p>13 Q. Would it also be based in part on 14 discussions that you've had with colleagues within 15 the urogynecologic community?</p> <p>16 A. Yes.</p> <p>17 MR. BRADFORD: Form.</p> <p>18 A. Yes.</p> <p>19 BY MR. KOOPMANN:</p> <p>20 Q. Do you practice evidence-based medicine?</p> <p>21 MR. BRADFORD: Form.</p> <p>22 A. I try to practice evidence-based 23 medicine.</p> <p>24 BY MR. KOOPMANN:</p> <p>25 Q. What does "evidence-based medicine" mean?</p>

<p style="text-align: right;">Page 234</p> <p>1 A. "Evidence-based medicine" means that 2 essentially there is a -- it's not a moving 3 target, but it's a continuously progressing target 4 where if you practice medicine based on the 5 evidence of today, you will probably be out of 6 date by, you know, the year 2030. So 7 evidence-based medicine means keeping up with 8 publications, keeping up with the medical 9 literature, keeping up with the experiences of 10 others, as well as myself, and modifying practice 11 based on new innovations and new publications as 12 they come out. 13 Q. Within the practice of evidence-based 14 medicine, is some evidence thought of as being 15 more powerful than other evidence? 16 A. Yes. 17 Q. What are the highest levels of evidence 18 within the practice of evidence-based medicine? 19 A. So in general, the highest level of 20 evidence would be considered systematic reviews 21 and metaanalyses. Cochrane reviews are a form of 22 systematic review. It only includes randomized 23 controlled trials. Sometimes there are advantages 24 for that. Sometimes there are disadvantages for 25 that, but in general, randomized -- in general,</p>	<p style="text-align: right;">Page 236</p> <p>1 BY MR. KOOPMANN: 2 Q. And why is that? 3 A. Again, as we discussed, it's the highest 4 level of evidence. So the level 1 evidence would 5 be better than, you know, some case series or case 6 report of one patient where something unfortunate 7 happened. 8 Ideally, you know, the medical opinions 9 and the practice of medicine should be based on 10 high-level evidence. 11 Q. And what sort of evidence did you focus 12 on in your research done to form the opinions that 13 you've expressed here today in the deposition and 14 in your general reports? 15 A. So as much as possible, level 1 evidence. 16 Q. Are the complications that you've seen in 17 your practice with the use of the TVT, TVT-O and 18 TVT Abbrevio devices and the Prolene mesh and 19 Gynemesh PS consistent with the warnings listed in 20 the adverse reactions section of those products' 21 IFUs? 22 MR. BRADFORD: Form. 23 A. Yes. 24 MR. KOOPMANN: All right. Those are all 25 the questions I have for you. Thank you,</p>
<p style="text-align: right;">Page 235</p> <p>1 systematic reviews are going to be the highest. 2 Randomized controlled trials are also a 3 very good form of evidence, a very high-level, 4 level 1 evidence. Beyond that, there are, you 5 know, comparative cohort studies, case control, 6 case series, you know, and expert opinion would 7 probably be down at the bottom. 8 Q. Where do internal company e-mails, 9 documents or PowerPoint presentations fall within 10 that hierarchy? 11 MR. BRADFORD: Form. 12 A. They don't. They are not on the list. 13 BY MR. KOOPMANN: 14 Q. Are levels of evidence important in 15 assessing the safety and efficacy of the devices 16 that you've written your reports about? 17 A. Yes. My opinions are based on level 1 18 evidence essentially. 19 Q. Are Cochrane reviews, randomized 20 controlled trials and systematic reviews and 21 metaanalyses, in your opinion, reliable in 22 determining the safety and efficacy of the devices 23 that you've written reports about? 24 MR. BRADFORD: Form. 25 A. Yes.</p>	<p style="text-align: right;">Page 237</p> <p>1 Dr. Jeppson. 2 THE WITNESS: Thank you. 3 MR. BRADFORD: Bear with me one second. 4 I don't have any questions. 5 MR. KOOPMANN: We'll read and sign. 6 (Time noted: 3:29 p.m.) 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25</p>

1 IN THE UNITED STATES DISTRICT COURT
2 FOR THE SOUTHERN DISTRICT OF WEST VIRGINIA
3 CHARLESTON DIVISION
4 MASTER FILE NO: 2:12-MD-02327

5 IN RE: ETHICON, INC., PELVIC REPAIR
6 SYSTEM PRODUCTS LIABILITY LITIGATION MDL 2327

7 CERTIFICATE OF COMPLETION OF DEPOSITION
8 I, DANA N. SREBRENICK, RPR, CLR, CRR, NM CCR
9 #513, DO HEREBY CERTIFY that on Thursday,
10 May 16, 2019, the Deposition of PETER JEPSON, MD,
11 FACOG, FACS was taken before me at the request of,
12 and sealed original thereof retained by:
13 BRAD BRADFORD, ESQ.
14 ATTORNEY FOR PLAINTIFFS
15 AYLSTOCK, WITKIN, KREIS & OVERHOLTZ, PLLC
16 17 East Main Street, Suite 200
17 Pensacola, Florida 32502

18 I FURTHER CERTIFY that copies of this
19 Certificate have been mailed or delivered to all
20 Counsel, and parties to the proceedings not
21 represented by counsel, appearing at the taking of
22 the Deposition.

23 I FURTHER CERTIFY that examination of this
24 transcript and signature of the witness was
25 requested by the witness and all parties present.
26 On _____, 2019, a letter was mailed or
27 delivered to BARRY J. KOOPMANN, ESQ., regarding
28 obtaining signature of the witness, and
29 corrections, if any, were appended to the original
30 and each copy of the Deposition.

31 I FURTHER CERTIFY that the recoverable cost of
32 the original and one copy of the Deposition,
33 including exhibits, to BRAD BRADFORD, ESQ., is
34 \$_____.

35 I FURTHER CERTIFY that I did administer the oath
36 to the witness herein prior to the taking of this

1 stenographic shorthand the questions and answers
2 set forth herein, and the foregoing is a true and
3 correct transcript of the proceeding had upon the
4 taking of this Deposition to the best of my
5 ability.

6 I FURTHER CERTIFY that I am neither employed by
7 nor related to nor contracted with (unless
8 excepted by the rules) any of the parties or
9 attorneys in this case, and that I have no
10 interest whatsoever in the final disposition of
11 this case in any court.

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DANA N. SREBRENICK, CRR, CLR
NM CCR #513
License Expires: 12/31/2019